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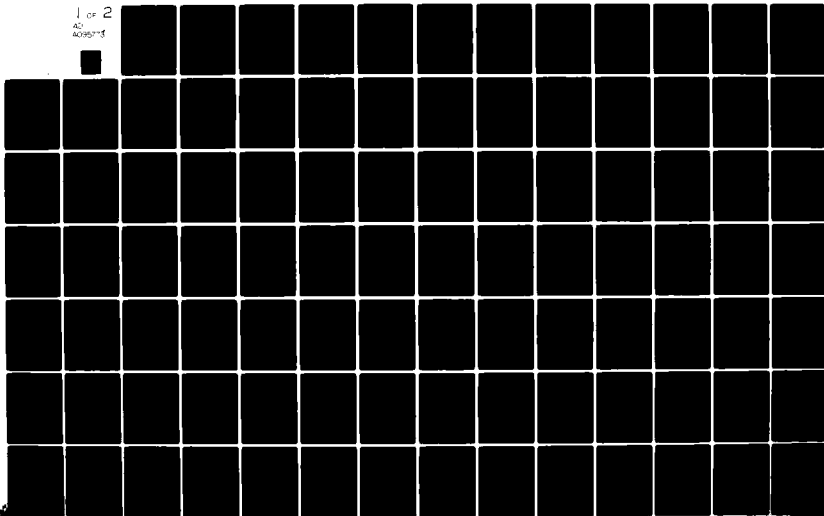
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M-X ENVIRONMENTAL TECHNICAL REPORT. ALTERNATIVE POTENTIAL DEPLO--ETC(U)
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M-X

ENVIRONMENTAL
TECHNICAL REPORT

ETR 3

DDA: TEXAS/NEW MEXICO

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Item 20 continued

- Lamb, Lubbock, Moore, Oldham, Parmer, Potter, Randall, Sherman, and Swisher, and the New Mexico counties of Chaves, Curry, De Baca, Harding, Quay, Roosevelt, and Union. Attributes which cannot be logically evaluated at the county level (e.g., air quality) are explicitly defined when baseline data are presented. Potential base sites are located in the vicinity of Clovis, New Mexico and Dalhart, Texas.

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M-X Environmental Technical Report.

ALTERNATIVE POTENTIAL
DEPLOYMENT AREAS:
TEXAS/NEW MEXICO

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Prepared for

United States Air Force
Ballistic Missile Office
Norton Air Force Base
California

By

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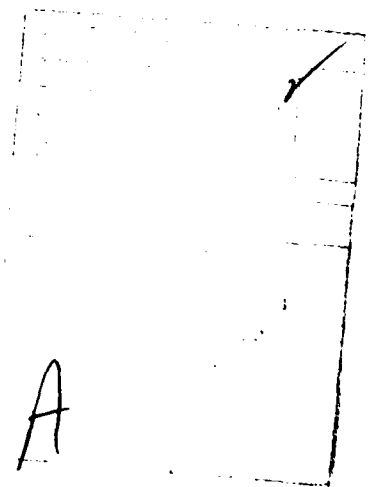


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1.0 TEXAS/NEW MEXICO REGIONAL ENVIRONMENT

This study area is being considered as an alternate site for the deployment of the M-X system. Located in western Texas and eastern New Mexico, the region is generally known as the Southern High Plains. Farming and ranching are important economic activities. Several high production oil and gas fields are also located within the study area.

The designated Texas/New Mexico region of influence (ROI) is shown in Figure 1-1. It includes the Texas counties of Bailey, Castro, Cochran, Dallam, Deaf Smith, Hale, Hartley, Hockley, Lamb, Lubbock, Moore, Oldham, Parmer, Potter, Randall, Sherman, and Swisher, and the New Mexico counties of Chaves, Curry, De Baca, Harding, Quay, Roosevelt, and Union. Attributes which cannot be logically evaluated at the county level (e.g., air quality) are explicitly defined when baseline data are presented. Potential base sites are located in the vicinity of Clovis, New Mexico and Dalhart, Texas.

1.1 ECONOMIC ACTIVITY

During the past decade, employment rates in both Texas and New Mexico have been above the national average. Most of the unemployment in both states has been in the large metropolitan areas. In the Panhandle and South Plains regions of Texas, the unemployment rate has been below both the state and national averages. This is also the case in Curry County, New Mexico. This favorable employment condition is expected to continue as both states anticipate growth of local markets as a result of population influxes.

Income and earnings trends in Texas indicated growth in all economic sectors during the 1970s. Nearly all sectors approached or exceeded a doubling of income between 1970 and 1975. The Texas study area also showed gains in all sectors with the exception of agriculture, which declined in the South Plains Region.

In New Mexico, only agriculture registered a decline in earnings during the 1970s. However, unlike Texas, manufacturing showed only modest increases while mining ranked as the fastest growing economic sector. Because of the state's energy resources, mining is expected to outpace all other activities in the early 1980s.

Both Texas/New Mexico have revenue structures that reflect a well balanced framework. Sales tax revenues constitute the principal source, accounting for one-fourth of the total in each state. Total revenues have grown at average annual rates of 13.8 percent in Texas and 8.4 percent in New Mexico. The largest expenditure for both states was for education which accounted for about half of the total. In both states social services were the second largest expenditure.

EMPLOYMENT

Texas

The state of Texas is characterized by:

- o A growth rate more than twice that of the United States as a whole

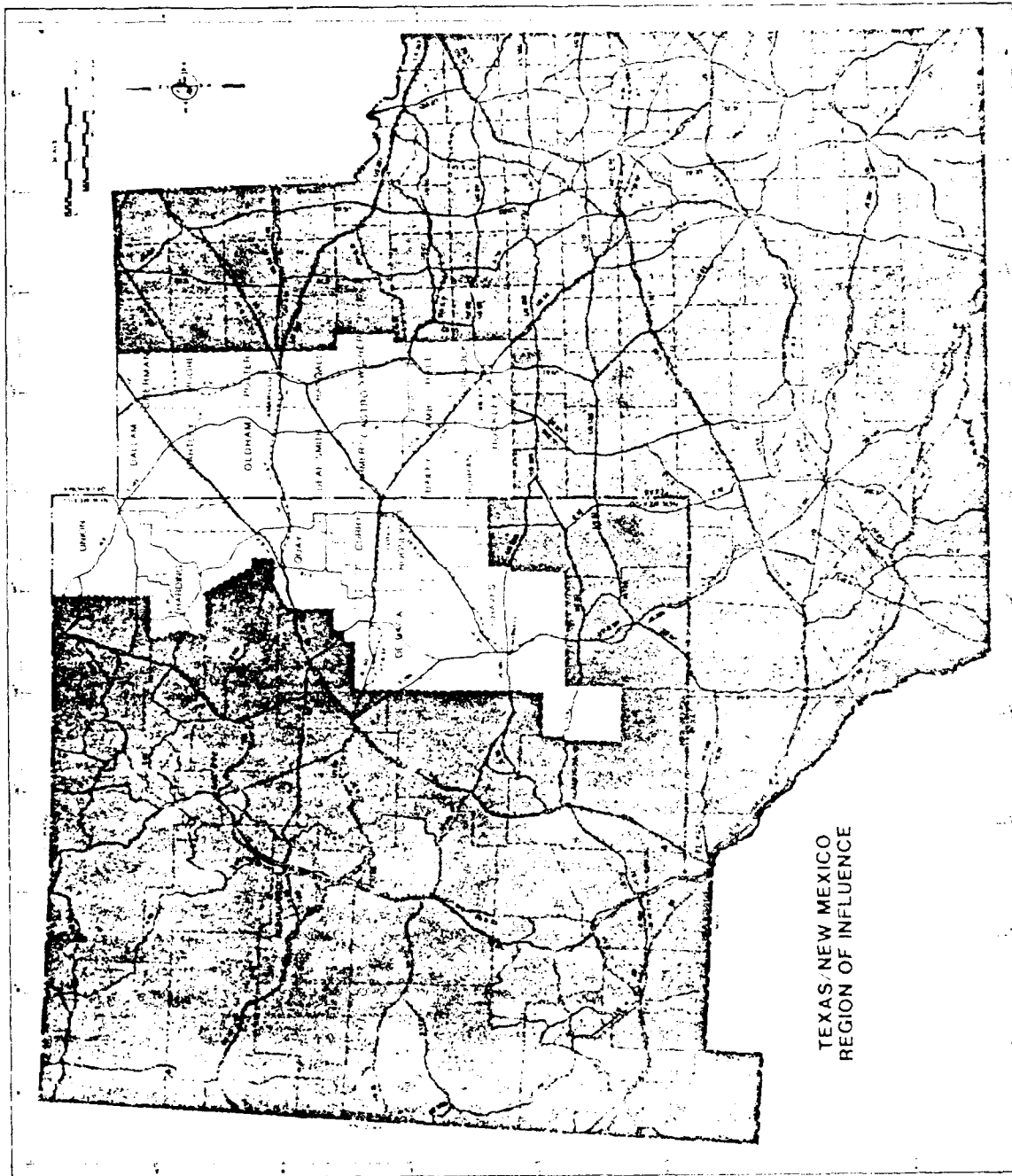


Figure 1-1. Region of influence for the human environment in the Texas/
New Mexico study area.

- o A predominantly metropolitan and young population
- o An economy that is well distributed across diverse economic sectors, with greatest emphasis in manufacturing and trade
- o A low level of unemployment

Tables 1.1-1 and 1.1-2 highlight detailed employment characteristics of the Texas ROI. The former table indicates the relative dependence of the region's economy on four sectors -- government, comprising 17 percent of total employment in 1976, services, (15 percent), agriculture, (11 percent), and manufacturing, (10 percent). The government and services 1976 employment shares in the region were slightly below those for the state and nation, while the agricultural employment share was more than double the corresponding shares for Texas and the United States. The region's manufacturing employment share was two-thirds that of the state and only one-half that of the nation.

Table 1.1-2 presents 9 year employment growth figures and indicates that the Texas ROI has grown at a pace just slightly faster than the nation although the state of Texas has grown at almost double the national rate over the 1967-1976 period. All of the industries experienced growth states above 2.6 percent per year except the agriculture and government sectors where employment declined in both sectors by 0.6 percent per year between 1967 and 1976.

New Mexico

In the last half of the 1970s, the economy, population, and employment of New Mexico expanded. But by 1980, inflation had moderated the significant economic improvement of the past few years. Population growth was running at a 1.5 percent annual rate of increase in 1977. Development of the state's energy resources and of sun-belt living have been prime influences in this expansion.

Table 1.1-3 and 1.1-4 highlight detailed employment characteristics of the New Mexico ROI. Table 1.1-3 indicates the relative dependence of the region's economy on three sectors -- government, with 28 percent of total employment in 1977, agriculture (13 percent) and services, (12 percent). The ROI government sector employment share is 50 percent greater than that of the nation. The agricultural employment share is 3 times that of the nation.

Manufacturing and services traditionally dominate a well-balanced economic base, however, in the New Mexico ROI, manufacturing is only one-third, and services only two-thirds that of the corresponding national employment shares.

Table 1.1-4 presents 10-year employment growth figures and indicates that the New Mexico ROI has grown very little relative to the state as whole. Employment has increased by only 1.6 percent per year between 1967 and 1977 in the region, but increased by 3.3 percent per year statewide. Government sector employment increased by 3,151 jobs, greater than the total of all the other sectoral employment increases combined, however its average annual growth rate was still less than both the state and national figures. Both mining and agriculture experienced employment declines over the 1967 to 1976 period in the New Mexico ROI.

Table 1.1-1. Total employment and percent share by major economic sectors, selected Texas counties, 1976.

COUNTY	TOTAL EMPLOYMENT	PERCENT OF TOTAL STATE EMPLOYMENT	AGRICULTURE SHARE (PERCENT)	MINING SHARE (PERCENT)	CONSTRUCTION SHARE (PERCENT)	MANUFACTURING SHARE (PERCENT)	SERVICES SHARE (PERCENT)	GOVERNMENT SHARE (PERCENT)
Bailey	3,468	0.06	36.9	(D) ²	1.9	1.3	10.5	11.3
Castro	4,988	0.09	45.1	(D)	3.8	4.6	7.0	14.0
Cochran	2,092	0.04	43.9	1.1	0.9	2.6	9.2	17.8
Dallam	3,475	0.06	29.9	0.1	2.3	3.7	9.1	11.2
Deaf Smith	9,434	0.17	26.2	0.1	4.2	13.7	8.2	11.8
Hale	15,527	0.27	19.5	0.2	2.9	11.2	13.3	14.6
Hartley	1,356	0.02	65.9	0.0	0.0	0.7	10.8	8.1
Hockley	7,761	0.14	21.3	14.3	2.1	2.2	12.2	16.5
Lamb	7,272	0.13	30.6	0.0	2.7	1.8	11.3	12.3
Lubbock	92,404	1.62	3.2	0.1	4.8	11.8	17.5	20.6
Moore	7,075	0.12	15.8	5.6	6.7	15.2	10.5	13.1
Oldham	1,150	0.02	42.8	(D)	3.8	0.0	14.3	16.6
Parmer	5,539	0.10	47.2	0.0	1.6	9.1	7.1	9.3
Potter/Randall	77,108	1.35	2.3	1.4 ¹	5.3	11.2	10.9	16.1
Sherman	2,179	0.04	53.6	2.7	2.7	0.8	3.5	9.5
Swisher	4,801	0.08	38.0	(D)	1.0	4.5	7.1	12.8
Texas ROI	245,629	4.30	11.3	1.1 ¹	4.4	10.2	15.0	16.8
Total State	5,706,293	100.00	5.1	2.4	5.6	15.0	16.2	18.1
United States	94,685,804		4.5	0.8	3.8	20.1	17.2	18.6

¹Estimated.

²(D) = Not shown to avoid disclosure of confidential information.

Source: BEA, July 1978.

3796-2

Table 1.1-2. Employment growth, major economic sectors, Texas ROI counties, 1967-1976. (Page 1 of 2)

COUNTY	TOTAL			AGRICULTURE			MINING		
	1967	1976	Δ^1	1967	1976	Δ	1967	1976	Δ
Bailey	3,656	3,468	-0.6	1,691	1,281	-3.0	1	(D) ³	(D)
Castro	3,989	4,988	2.5	2,138	2,250	0.6	0	(D)	(D)
Cochran	2,247	2,092	-0.8	1,056	918	-1.5	114	22	-16.7
Dallam	3,159	3,475	1.1	823	1,038	2.6	1	4	16.7
Deaf Smith	6,524	9,434	4.2	2,346	2,473	0.6	(D)	6	(D)
Hale	13,875	15,527	1.3	3,469	3,033	-1.5	42	28	-4.4
Hartley	857	1,356	5.2	535	894	5.9	0	0	0.0
Hockley	7,256	7,761	0.8	2,391	1,655	-4.0	836	1,109	3.2
Lamb	6,907	7,272	0.6	2,820	2,222	-2.6	(D)	2	(D)
Lubbock	69,990	92,404	3.1	3,823	2,922	-2.9	68	102	4.6
Moore	5,712	7,075	2.4	818	1,116	3.5	232	399	6.2
Oldham	1,037	1,150	1.2	362	444	2.3	(D)	(D)	(D)
Parmer	4,306	5,539	2.8	2,460	2,616	0.7	(D)	0	(D)
Potter/Randall	72,807	77,108	0.6	1,664	1,781	0.8	874	963 ²	2.0 ⁵
Sherman	1,650	2,179	3.1	827	1,167	3.9	21	58	11.9
Swisher	4,584	4,801	0.5	2,008	1,826	-1.1	(D)	(D)	(D)
Texas ROI	203,565	245,629	1.8	29,231	27,636	-0.6	2,189	2,772 ⁷	2.7 ⁵
Total State	4,419,612	5,706,293	2.9	328,978	290,915	-1.4	106,136	137,691	2.9
United States	82,506,400	94,685,804	1.5	4,625,000	4,262,804	-0.9	615,000	777,000	2.6

3799-1

Table 1.1-2. Employment growth, major economic sectors, Texas ROI counties, 1967-1976.
(Page 2 of 2)

COUNTY	CONSTRUCTION			MANUFACTURING			SERVICES			GOVERNMENT		
	1967	1976	Δ	1967	1976	Δ	1967	1976	Δ	1967	1976	Δ
Bailey	121	66	-6.5	27	46	6.1	304	364	2.0	360	392	1.0
Castro	130	191	4.4	109	229	8.6	313	347	1.2	400	696	6.3
Cochran	(D)	18	(D)	(D)	54	(D)	148	193	3.0	288	373	2.9
Dallam	94	79	-1.9	151	128	-1.8	422	316	-3.2	286	389	3.5
Deaf Smith	182	396	9.0	521	1,292	10.6	607	772	2.7	723	1,110	4.9
Hale	562	449	-2.5	838	1,737	8.4	2,038	2,070	0.2	1,592	2,261	4.0
Hartley	(D)	0	(D)	0	9	—	27	146	20.6	96	110	1.5
Hockley	188	165	-1.4	103	172	5.9	731	949	2.9	934	1,281	3.6
Lamb	77	196	10.9	127	129	0.2	586	820	-0.5	673	892	3.2
Lubbock	3,242	4,452	3.6	6,061	10,949	6.8	12,435	16,192	3.0	13,940	18,994	3.5
Moore	395	471	2.0	1,175	1,072	-1.9	395	744	7.3	798	929	1.7
Oldham	(D)	39	(D)	0	0	0.0	29	148	19.9	114	172	4.7
Parmer	55	88	5.4	128	503	16.4	366	391	0.7	386	517	3.3
Potter/Randall	2,644	4,064	4.9	4,749	8,614	6.8	10,407	13,017	2.5	22,459	12,405	-6.4
Sherman	(D)	58	(D)	9	17	7.3	65	77	1.9	192	207	0.8
Swisher	116	49	-9.1	105	218	8.5	295	342	1.7	475	613	2.9
Texas ROI	7,806	10,781	3.7 ¹	14,103	25,169	6.6	29,168	36,888	2.6	43,716	41,341	-0.6
Total State	213,973	321,143	4.6	665,385	854,662	2.8	698,176	923,660	3.2	811,525	1,047,289	2.9
United States	3,308,000	3,615,000	1.0	19,504,000	19,026,000	-0.3	12,675,000	16,307,000	2.8	13,924,400	17,633,000	2.7

¹ Δ = Average annual growth rate.

² = Data are for 1972.

³(D) = Not shown to avoid disclosure of confidential information.

⁴(L) = Less than 10 wage and salary jobs.

⁵Rate is doubt because of large number of data points withheld.

⁶ = Undefined.

⁷Estimate.

Source: BEA, July 1978.

3799-1

Table 1.1-3. Total employment and percent share by major economic sectors, New Mexico ROI counties, 1977.

COUNTY	TOTAL EMPLOYMENT	PERCENT OF TOTAL STATE EMPLOYMENT	AGRICULTURE SHARE (PERCENT)	MINING SHARE (PERCENT)	CONSTRUCTION SHARE (PERCENT)	MANUFACTURE SHARE (PERCENT)	SERVICES SHARE (PERCENT)	GOVERNMENT SHARE (PERCENT)
Chaves	19,160	3.9	9.3	1.7 ¹	4.2 ¹	11.2	14.5	20.0
Curry	18,558	3.7	6.3	0.1	3.4	5.0	11.2	37.7
Doña Ana	991	0.2	28.9	0.0	3.9	2.0	(D)	27.3
Harding	664	0.1	47.3	(D) ²	(D)	8.7	4.5	22.0
Quay	4,900	1.0	18.8	0.2	3.6	3.4	14.9	23.2
Roosevelt	6,566	1.3	22.5	0.2	2.3	3.4	6.4	32.8
Union	2,212	0.4	31.0	(D)	1.9	0.9	11.1	22.9
New Mexico ROI	53,051	10.7	12.5	0.7 ¹	3.5 ¹	6.7	11.8	28.3
Total State	496,514	100.0	4.3	4.7	6.2	6.5	16.8	27.1
United States	97,848,874		4.2	0.8	4.0	20.1	17.4	18.2

¹ Estimated

² (D) = not shown to avoid disclosure of confidential information.

Source: BEA, April 1979.

3797-1

Table 1.1-4. Employment growth, major economic sectors, New Mexico ROI counties, 1967-1977.
(Page 1 of 2)

COUNTY	TOTAL		AGRICULTURE		MINING		CONSTRUCTION	
	1967	1977	Δ ¹	1967	1977	Δ	1967	1977
Chaves	15,885	19,160	1.9	2,032	1,774	-1.3	438	334 ²
Curry	14,935	18,558	2.2	1,442	1,169	-2.1	(D)	16
De Baca	951	991	0.4	361	286	-2.3	(D)	0
Harding	702	664	-0.6	372	314	-1.7	0	(D)
Quay	4,793	4,900	0.2	1,165	922	-2.3	(D)	(L) ⁴
Roosevelt	5,747	6,566	1.3	1,787	1,477	-1.9	51	12
Union	2,093	2,212	0.6	752	685	-0.9	(D)	(D)
Texas ROI	45,106	53,051	1.6	7,911	6,627	-1.8	489	352 ⁷
Total State	358,436	496,514	3.3	24,907	21,127	-1.6	15,890	23,306
United States	82,506,400	97,848,874	1.7	4,625,000	4,152,874	-1.1	615,000	824,000
							3,308,000	3,878,000
							1,389	1,841
							16,669	30,710
							3.0	1.6

3798-1

Table 1.1-4. Employment growth, major economic sectors, New Mexico ROI counties, 1967-1977. (Page 2 of 2)

COUNTY	MANUFACTURING		Δ	SERVICES		Δ	GOVERNMENT		Δ
	1967	1977		1967	1977		1967	1977	
Chaves	1,030	2,154	7.7	2,503	2,781	1.1	3,171	3,834	1.9
Curry	572	925	4.9	1,414	2,078	3.7	5,719	6,990	2.0
De Baca	(D)	20	(D)	92	(D)	(D)	190	271	3.6
Harding	(D)	58	(D)	(D)	30	(D)	132	146	1.0
Quay	90	166	6.3	637	729	1.4	1,024	1,136	1.0
Roosevelt	224	221	-0.1	446	422	-0.5	1,261	2,156	5.5
Union	(D)	20	(D)	260	245	-0.6	391	506	2.6
Texas ROI	1,916	3,564	6.4 ¹	5,382	6,285	1.6 ⁵	11,888	15,039	2.4
Total State	18,032	32,188	7.0	62,298	83,337	3.0	101,278	134,754	2.9
United States	14,504,000	19,696,000	0.1	12,675,000	17,030,000	3.0	13,924,400	17,795,000	2.5

1. = Average annual growth rate.

2. = Data are for 1976.

3 (D) = Not shown to avoid disclosure of confidential information.

4 L = Less than 10 wage and salary jobs.

5 = Rate in doubt because of large number of data points withheld by disclosure rules.

6 - = Undefined.

7 = Estimate.

Source: BEA, April 1979.

3798-1

INCOME AND EARNINGS

Income and earnings trends in Texas indicated growth in all economic sectors during the 1970s. Nearly all sectors approached or exceeded a doubling of income between 1970 and 1975. The Texas study area also showed gains in all sectors with the exception of agriculture, which declined in the South Plains region.

In New Mexico, only agriculture registered a decline in earnings during the 1970s. However, unlike Texas, manufacturing showed only modest increases, which mining ranked as the fastest growing economic sector. Because of the state's energy resources, mining is expected to outpace all other activities in the early 1980s.

Both Texas and New Mexico have revenue structures that reflect a well-balanced framework. Sales tax revenues constitute the principal source, accounting for one-fourth of the total in each state. Total revenues have grown at an average annual rate of 13.8 percent in Texas and 8.4 percent in New Mexico. The largest expenditure for both states was for education, which accounted for about half of the total. In both states social services were the second largest expenditure.

Texas

Total earnings have exhibited little growth over the 1968 to 1978 period in the Texas ROI. Table 1.1-5 highlights the Texas ROI earnings by major industrial sector relative to individual counties in the ROI, the state of Texas, and the United States. These figures have been adjusted to 1978 dollars to account for inflation. It indicates that the region's 1978 total earnings of \$2,916.3 million were only about 4 percent of the state total. Further, the region's annual earnings growth was less than one-half that for Texas as a whole over the 1968 to 1978 period. Disaggregating earnings by industry, however, shows that earnings growth in several sectors were relatively large -- manufacturing posted an 8.9 percent average annual growth rate, while construction, mining and services had average annual gains of 6.2, 6.9, and 4.5 percent, respectively. Government had a relatively small average annual growth rate of 0.7 percent per year while agricultural earnings decreased by \$412.2 million between 1968 and 1978 at an average annual decline of 11.7 percent.

Table 1.1-6 highlights per capita income and earnings shares by major industry in the Texas ROI. The region's 1978 per capita income of \$7,460 was roughly 95 percent that of both Texas and the national figure.

By industrial source, manufacturing, services and government contributed 14, 15, and 16 percent of 1978 earnings in the Texas ROI, respectively. The manufacturing sector earnings share for the region was well below that of the state and nation. Both services and government sectors kept pace with state earnings shares but were slightly lower than the national figures in those industries.

New Mexico

Total earnings in the New Mexico ROI have also exhibited little growth over the 1968 to 1978 period. Table 1.1-7 highlights the New Mexico ROI earnings by major industrial sector relative to individual counties in the ROI, the state of New Mexico, and the United States. These figures are in 1978 dollars.

Table 1.1-7 indicates that the region's 1978 earnings growth was less than one-half that for New Mexico over the 1968 to 1978 period. Disaggregation earnings by industry, however, shows that earnings growth in several industrial sectors were relatively large -- manufacturing, construction, mining, and services experienced average annual growth rates of 6.4, 5.4, 3.8, and 3.2 percent, respectively. The government sector increased by 2.1 percent annually and had 1978 earnings totalling more than manufacturing, construction, mining, and services combined. Agricultural earnings dropped by 2.2 percent annually between 1968 and 1978 from \$123.0 million to \$98.6 million.

Table 1.1-8 highlights per capita income and earnings shares by major industry in the New Mexico ROI. The region's 1978 per capita income of \$6,443 was 98 percent that of New Mexico, but only 82 percent of U.S. per capita income. By industrial source, government, agriculture and services contributed 27, 17, and 11 percent of 1978 earnings in the New Mexico ROI, respectively. The share of total employment in manufacturing for the region and state was only 7 percent, well below one-third that of the national earnings share.

Table 1.1-5. Total earnings by major economic sector, Texas ROI counties, 1968-1978
(in thousands of 1978 dollars). (Page 1 of 2)

COUNTY	TOTAL EARNINGS			AGRICULTURE			MINING		
	1968	1978	Δ ¹	1968	1978	Δ	1968	1978	Δ
Bailey	46,133	35,236	-2.7	28,659	9,186	-10.8	(D) ³	(D)	(D)
Castro	67,020	55,679	-1.8	50,385	26,024	-6.4	(L) ⁴	(D)	(D)
Cochran	21,881	14,191	-4.2	13,290	2,618	-15.0	626	1,051	5.3
Dallam	37,425	37,233	-0.1	15,782	7,419	-7.3	(D)	(D)	(D)
Deaf Smith	108,874	124,229	1.3	63,791	40,051	-4.5	1042	392	25.1 ⁵
Hale	162,954	160,160	-0.2	67,988	22,893	-10.3	484	828 ⁹	6.1 ⁵
Hartley	14,411	7,439	-6.4	10,592	1,709	-16.7	(L)	0	0.0 ⁵
Hockley	84,476	87,512	0.4	35,799	-1,210	-5	13,461	33,167	9.4
Lamb	86,164	76,582	-1.2	51,347	21,818	-8.2	118 ⁸	259	21.7 ⁵
Lubbock	769,076	1,112,963	3.9	65,730	10,656	-16.6	1,727	6,326	13.9
Moore	83,044	86,374	0.4	18,579	-5,467	-5	4,164	8512 ¹⁰	9.3 ⁵
Oldham	8,657	12,308	4.1	3,300	5,286	4.8	(D)	(D)	(D)
Parmer	86,481	42,752	-6.8	65,389	4,164	-24.0	(L)	0	0.0 ⁵
Presidio-Randall	716,733	1,694,891	3.4	18,291	3,956	-24.5	(D)	(D)	(D)
Shepherd	32,327	4,846	-17.3	25,290	-6,642	-	557	2,182	23.8
Swisher	68,147	53,282	-2.4	41,558	24,067	-6.0	167	0	-
Texas ROI	2,381,823	2,916,284	2.6	578,776	160,541	-11.7	20,9647	54,4317	19.0 ¹
Total State	50,632,018	73,094,829	4.6	2,493,921	1,329,190	-6.2	1,985,391	4,331,438	8.2
United States	1,039,655,699	1,318,750,999	2.4	33,188,000	33,188,000	0.1	10,528,125	20,552,900	6.9

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Table 1.1-5. Total earnings by major economic sector, Texas ROI counties, 1967-1978 (in thousands of 1978 dollars). (Page 2 of 2)

COUNTY	CONSTRUCTION		MANUFACTURING		SERVICES		GOVERNMENT	
	1968	1978	1968	1978	1968	1978	1968	1978
Bailey	1,134	980	-1.4	4,356	17.8	4,173	3.0	3,302
Castro	849	1,671	7.0	4,169	9.9	4,256	2.9	3,334
Cochran	213	449	11.2	938	22.0	1,758	5.1	2,818
Dallam	1,603	855	-6.1	5,316	17.7	4,256	1.3	2,913
Deaf Smith	4,470	5,407	1.9	19,767	10.4	6,118	5.7	7,361
Hale	5,406	7,175	2.9	26,954	10.1	17,998	1.6	16,551
Hartley	920	341	-13.2	(1)	-23.4	218	19.9	1,050
Hockley	2,415	4,251	5.8	2,537	7.5	7,258	1.7	9,238
Lamb	1,444	2,079	4.1	10,198	20.9	7,335	1.2	6,060
Libbuck	43,952	77,285	5.8	164,481	8.0	119,109	4.8	139,724
Moore	7,489	7,447	-0.1	31,140	3.7	5,310	6.5	9,094
Oldham	1,033	767	-5.8	(1)	0.0	294	21.4	1,086
Parmer	960	2,292	9.1	3,589	13.0	3,480	4.3	4,200
Potter/Mandall	35,501	93,845	9.0	59,919	8.1	102,053	4.8	188,184
Sherman	624	1,104	5.9	158	1.1	705	5.9	1,802
Swisher	848	1,115	2.8	786	12.0	3,409	4.2	4,881
Texas ROI	113,554	207,149	6.2	411,843	8.9	284,101	4.5	421,613
Total State	3,318,426	6,656,905	7.2	15,748,111	4.0	7,048,781	5.7	9,423,238
United States	62,388,750	79,872,000	2.5	345,771,000	1.3	153,226,880	3.8	174,725,630
						221,951,000		216,896,000
								2.2

3816-2

14 = Average annual growth rate.

2 Data are for 1972.

3 (1) = Not shown to avoid disclosure of confidential information.

4 (1) = Less than 10 wage and salary jobs.

5 Rate* in doubt because of large number of data points withheld by disclosure rules.

6 = Undefined.

7 = Estimate.

8 Data are for 1974.

9 Data are for 1977.

10 Data are for 1976.

Table 1.1-6. Per capita income and earnings shares by economic sector, Texas ROI counties, 1978.

COUNTY	1978 PER CAPITA INCOME	TOTAL 1978 EARNINGS	PERCENT OF TOTAL STATE EARNINGS	AGRICULTURE SHARE (PERCENT)	MINING SHARE (PERCENT)	CONSTRUCTION SHARE (PERCENT)	MANUFACTURING SHARE (PERCENT)	SERVICE SHARE (PERCENT)	GOVERNING SHARE (PERCENT)
Brewster	6,870	33,236	0.04	26.1	(D)	2.8	12.4	11.8	10.7
Castro	6,356	55,679	0.07	46.7	(D)	3.0	7.5	7.6	9.3
Cochran	4,967	14,191	0.02	18.1	7.1	3.2	6.6	12.4	21.2
Dallas	7,957	37,233	0.05	19.9	(D)	2.3	14.3	11.4	10.9
Deaf Smith	8,051	121,229	0.16	32.2	6.3	4.4	15.9	8.6	8.6
Dale	6,683	160,166	0.20	14.3	9.5 ¹	4.5	16.8	13.2	12.5
Dartmouth	5,101	7,439	0.01	22.9	6.0	4.6	6.1	17.9	12.5
Dockery	6,076	87,519	0.11	-1.4	37.4	4.8	2.9	9.7	15.6
Dove	6,822	76,582	0.10	28.5	6.3	2.8 ¹	13.3	10.8	10.2
Labadie	7,256	1,112,969	1.41	1.0	0.6	6.9	14.8	17.1	19.8
Moore	6,944	86,374	0.11	-6.0	11.8 ¹	8.1	33.9	11.5 ¹	9.5
Oldham	6,403	12,968	0.02	41.9	(D)	5.9	0.1 ¹	15.9	11.5
Parmer	5,767	42,752	0.05	9.8	0.6	5.4	28.6	12.4	11.3
Porter, Randall	8,472	1,004,891	1.27	0.4	(D)	9.3	13.0	16.3	14.0
Sherman	3,214	4,846	0.01	-57.8	19.0	9.6	1.4	9.8	14.6
Schwartz	7,702	53,283	0.07	45.2	0.6	2.1	4.6	9.7	10.4
Texas ROI	7,460	2,916,284	3.69	5.7	1.9 ¹	7.1 ¹	14.2	15.1 ¹	15.5
Total State	7,746	79,094,829	100.00	1.7	5.5	8.4	19.9	15.5	15.5
United States	7,816	1,318,750,000		4.4	1.6	6.1	26.2	16.8	16.4

¹ Estimated.

(D) = not shown to avoid disclosure of confidential information.

(Source: BEA, July 1980.)

Table 1.1-7. Total earnings by major economic sector, New Mexico ROI counties, 1968-1978 (thousands of 1978 dollars). (Page 1 of 2)

COUNTY	TOTAL EARNINGS			AGRICULTURE			MINING		
	1968	1978	Δ^1	1968	1978	Δ^1	1968	1978	Δ^1
Chaves	161,706	208,420	2.6	34,588	25,340	-3.1	6,803	9,803	3.3
Curry	176,884	208,420	1.6	30,538	20,328	-4.0	288 ⁷	346	2.1 ⁴
De Baca	6,626	10,100	4.3	2,244	4,243	6.6	(D)	(D)	(D)
Harding	4,974	4,655	-0.7	2,370	1,050	-7.8	(L) ³	(D)	(D)
Quay	38,136	46,458	2.0	10,309	10,165	-0.1	175 ⁸	348	12.1 ⁴
Roosevelt	62,820	67,935	0.8	28,491	22,083	-2.5	452	978	8.0
Union	25,279	30,275	1.8	14,421	15,427	0.7	(D)	(D)	(D)
New Mexico ROI	476,425	575,856	1.9	122,961	98,636	-2.2	7,648 ⁵	11,129	3.8 ⁴
Total State	4,027,776	6,166,041	4.4	266,644	266,644	-1.0	259,376	541,278	7.7
United States	1,039,655,600	1,318,750,000	2.4	33,005,625	33,188,000	0.1	10,528,125	20,552,000	6.9

3817-2

Table 1.1-7. Total earnings by major economic sector, New Mexico ROI counties, 1968-1978 (thousands of 1978 dollars). (Page 2 of 2)

COUNTY	CONSTRUCTION			MANUFACTURING		
	1968	1978	Δ	1968	1978	Δ
Chaves	8,254	13,650	5.2	11,846	25,124	7.8
Curry	6,504	9,597	4.0	7,905	12,105	4.4
De Baca	366	675	6.3	105	153	5.5 ⁻
Harding	260	101	-8.2 ^u	491	976	10.3 ^u
Quay	1,292	4,015	12.0	724	1,390	6.7
Roosevelt	1,742	1,888	0.8	1,916	2,530	2.8
Union	696	2,346	12.9	205	432	9.8 ^u
New Mexico ROI	19,094 ^e	32,272	5.4	23,016 ^e	42,710	6.4
Total State	264,064	517,492	7.0	237,330	430,710	6.1
United States	62,388,750	79,872,000	2.5	303,099,380	345,771,000	1.3

3817-2

COUNTY	SERVICES			GOVERNMENT		
	1968	1978	Δ	1968	1978	Δ
Chaves	21,630	29,443	3.1	26,754	38,703	3.8
Curry	14,044	22,317	4.7	71,128	78,939	1.0
De Baca	699	751	0.7	1,558	1,897	2.0
Harding	117	132	1.3 ⁻	1,144	1,475	2.6
Quay	4,142	4,599	1.1	9,032	10,316	1.3
Roosevelt	3,769	4,492	1.9	13,886	21,474	4.5
Union	1,862	1,905	0.2	3,919	4,446	1.3
New Mexico ROI	46,290 ^e	63,639	3.2	127,421	157,250	2.1
Total State	687,840	1,012,124	3.9	1,242,111	1,652,096	2.9
United States	153,226,880	221,951,000	3.8	174,725,630	216,896,000	2.2

3817-2

^u = Average annual growth rate.

^(D) = Not shown to avoid disclosure of confidential information.

^(L) = Less than 10 wage and salary jobs.

^{*}Rate in doubt because of large number of data points withheld by disclosure rules.

^e = Undefined.

[†]Estimate.

[‡]Data are for 1969.

[§]Data are for 1972.

Source BEA, July 1980.

Table 1.1-8. Per capita income and earnings shares by economic sectors, New Mexico ROI counties, 1978.

COUNTY	1978 PER CAPITA INCOME	TOTAL 1978 EARNINGS (000's of \$)	TOTAL STATE EARNINGS PERCENT	AGRICULTURE SHARE (PERCENT)	MINING SHARE (PERCENT)	CONSTRUCTION SHARE (PERCENT)	MANUFACTURE SHARE (PERCENT)	SERVICES SHARE (PERCENT)	GOVERNMENT SHARE (PERCENT)
Chaves	6,238	208,420	3.4	12.2	4.5	6.5	12.1	14.1	18.6
Curry	6,767	208,013	3.4	9.8	0.2	4.6	5.8	10.7	37.9
De Baca	5,708	10,100	0.2	42.0	(D) ²	6.7	1.5	7.4	18.8
Harding	5,529	4,655	0.1	22.6	(D)	2.2	21.0	28.4	31.7
Quay	6,224	46,458	0.8	21.9	0.7	8.6	3.0	9.9	22.2
Roosevelt	6,107	67,935	1.1	32.5	1.4	2.8	3.7	6.6	31.6
Union	8,010	30,275	0.5	51.0	(D)	7.7	1.4	6.3	14.7
Texas ROI	5,443	575,856	9.3	17.1	1.9	5.6	7.4	11.1	27.3
Total State	6,599	5,166,041	100.0	6.8	8.8	8.4	7.0	16.4	26.8
United States	7,810	1,318,750,000		4.4	1.6	6.1	26.2	16.8	16

¹Estimated.

²(D) = not shown to avoid disclosure of confidential information.

Source: BEA, July 1980.

3801-1

DESCRIPTION OF OTHER PROJECTS

The effects of future projects will depend both on their geographic location within the region and their magnitude. To assess project impacts, it is necessary to simulate the future baseline environment. Also, since much of the project effects are driven by labor in-migration, future baseline employment levels must be detailed.

Table 1.1-9 presents baseline employment forecasts, by place of residence, for counties comprising the Texas/New Mexico ROI. These projections, an extrapolation of employment growth trends over the 1967-1977 period, indicate modest growth in regional employment through 1994. Over the 1982-1994 period, regional employment is forecast to increase by 38,590 jobs, an employment level of 343,450 in 1994.

Over this period, Texas' share of the total is forecast to increase slightly, from 83.9 percent of total ROI employment in 1982 to 84.7 percent by 1994. This represents an overall average annual growth of 1.0 percent, with little cyclical fluctuation in employment on a year-to-year basis. The table indicates that not all counties are projected to grow; Lamb, De Baca, Harding, and Quay counties are all forecast to experience minor employment loss. On the other hand, the counties of Lubbock and Potter/Randall, which already comprise relatively well developed economies, are forecast for above-average growth.

Trend growth includes the assimilation of some industrial expansion; however, sizeable energy projects, for example, would require adjusting employment growth forecasts. Numerous energy-related projects are slated for the region during the forecast period. However, virtually all have been found to be of a sufficiently small magnitude or short duration such that they would not be expected to alter trend-growth data presented in Table 1.1-9.

The following discussion details the more important future projects in the region. It sets out project employment requirements and compares them to projected available labor; then, where necessary, it estimates projected labor in-migration.

Labor in-migration is a key variable in assessing project effects, since it drives population in-migration, which in turn affects local housing markets as well as supplies of community goods and services such as health care facilities, police and fire protection services, parks, and other recreational facilities.

Tolk 1 and Tolk 2 Power Plants

The Southwestern Public Service Company is planning and building two large coal-fired electrical generating units in Lamb County, Texas. Each would have the capacity to produce 543 MW of electricity, with a capital cost of \$220 million for each plant.

Construction of Tolk 1 is underway, and the unit should be on-line in mid-1982. Construction of Tolk 1 will require a peak of 650 workers in the spring of 1981. Construction of Tolk 2 will begin in 1982 and be completed in 1985. The Tolk 2 plant also will require a peak of 650 construction workers, with this peak occurring in the spring of 1984.

Table 1.1-9.

Employment by place of residence, including military Texas-New Mexico region of influence, 1982-1994 (Page 1 of 2)													
COUNTY	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
BAILLEY BASELINE	3423	3412	3440	3432	3454	3463	3473	3581	3489	3493	3493	3473	3493
CABRO BASELINE	4104	4119	4135	4154	4181	4212	4244	4275	4306	4344	4382	4422	4461
COCHRAN BASELINE	2092	2092	2092	2092	2092	2092	2092	2092	2092	2104	2120	2137	2153
DALLAM BASELINE	2234	2260	2286	2316	2339	2363	2391	2417	2446	2482	2521	2560	2600
DEAF SMITH BASELINE	8126	8183	8240	8301	8387	8476	8566	8655	8749	8851	8957	9062	9168
EMLE BASELINE	15945	16113	16284	16456	16628	16799	16973	17155	17331	17533	17755	18001	18231
HARTLEY BASELINE	1157	1182	1207	1233	1258	1283	1309	1334	1359	1385	1410	1435	1461
JOHNSON BASELINE	9120	9170	9220	9271	9323	9375	9427	9479	9485	9537	9598	9657	9716
LANE BASELINE	7127	7127	7127	7127	7115	7106	7090	7090	7082	7086	7086	7086	7086
LURBUCK BASELINE	100427	101859	103313	104781	105976	107185	108407	109642	110892	112150	113422	114708	116008
MOORE BASELINE	6687	6711	6738	6770	6802	6839	6873	6912	6949	6974	7040	7086	7132
OLDHAM BASELINE	848	855	861	867	879	892	904	917	932	948	966	983	1004
PARKER BASELINE	4223	4223	4223	4223	4227	4235	4244	4252	4264	4293	4326	4358	4371
POTTER/RANDALL BASELINE	84373	85407	86461	87535	88548	89571	90613	91679	92763	93847	94992	96137	97302
TERRELL BASELINE	1472	1480	1480	1475	1503	1511	1510	1526	1558	1549	1565	1580	1593

Table 1.1-9.

Employment by place of residence, including military, Texas/New Mexico Region of Influence, 1982-1994 (Pg. 2 of 2)													
BRISBANE BASELINE	4344	4361	4378	4400	4430	4464	4478	4533	4567	4617	4670	4722	4774
CHEVYER BASELINE	19502	19813	20126	20441	20749	21044	21343	21646	21952	22226	22500	22771	23030
CURRY BASELINE	14572	14619	14665	14712	14719	14723	14732	14737	14748	14719	14692	14663	14637
DE BACA BASELINE	983	983	983	983	974	966	959	951	947	947	947	947	947
WARDING BASELINE	323	313	303	298	284	274	264	254	244	234	224	214	204
QUAY BASELINE	4796	4803	4813	4822	4813	4803	4776	4789	4783	4762	4743	4728	4711
ROOSEVELT BASELINE	6463	6488	6511	6539	6566	6597	6628	6659	6694	6722	6753	6784	6815
UNION BASELINE	2119	2110	2101	2097	2101	2110	2119	2127	2141	2141	2141	2141	2141
<hr/>													
TEXAS 17-COUNTY TOTAL BASELINE	255898	258774	261673	264673	267334	270050	272806	275599	278444	281457	284524	287629	290775
N.M. 7-COUNTY TOTAL BASELINE	48942	49337	49714	50114	50496	50721	51041	51364	51709	51941	52182	52426	52673
DEPLOYMENT REGION TOTAL BASELINE	304840	308109	311407	314787	317740	320771	323847	326963	330153	333378	336706	340055	343448
<hr/>													
SOURCE: HDM SCIENCES, 17-OCT-80													

The build-up of operations personnel for Tolk 1 began in October 1980, and will reach a steady state of 100 to 120 persons by late 1981. Some operations personnel for Tolk 2 will start work in the fall of 1983, and will reach 30 by 1985. The total operating staff for both plants combined, therefore, is expected to be 130-150 people.

According to the manager of plant construction, few of the construction workers currently employed on Tolk 1 have their families near the site. Instead, most commute from their homes in Amarillo, Lubbock, Clovis, and elsewhere in the region. This pattern is likely to continue for construction of Tolk 2. Operations personnel probably would relocate to communities nearer the site, though the number of such persons is quite small.

Of the peak employment of 650 jobs, this analysis assumes that 100 would be filled by persons in Lamb County. If each of these direct jobs induces 0.5 indirect jobs in the county, the total employment impact in Lamb County would be 150 workers. The rest of the project's employment effects would be dispersed so widely over the region that no significant impacts in any single area are anticipated.

The Texas State Water Board's projected population of Lamb County during the 1980-1985 period is a constant 17,400 persons. Assuming a continuation of 1975-78 behavior for labor force participation and unemployment (an average participation rate of 42.8 percent and unemployment of 4.3 percent), projected employment (using the labor force concept) in the county would total 7,100 persons. Peak project employment of 150 persons represents 2 percent of this baseline projection. Most of the jobs created by the power plants could be filled by current residents of Lamb County projected to be unemployed, though some in-migration is likely because of possible mismatches between the occupational demands of the project and the skills of local-area residents.

To account for these small levels of project-induced in-migration, the "high growth" baseline for Lamb County is assumed to be 17,500 through 1995, compared to 17,300-17,400 projected under the trend growth baseline.

Interstate 27

The Texas Department of Highways and Public Transportation is planning major improvements to Interstate 27 over a 115-mi stretch from Amarillo to Lubbock. The project is broken into two sub-projects with the 24-mi section north of Swisher County managed from the Amarillo office and the remaining 91-mi portion managed from the Lubbock office. Both sections now are under construction, with approximately 100 workers employed on the Amarillo portion and 200 workers on the Lubbock section. This work force of 300 persons is expected to continue activities through 1986, with a decline in project employment thereafter, and completion anticipated in 1988-89. No significant numbers of operations personnel are associated with the project.

These project labor demands are extremely small compared to the size of the labor force in the Amarillo and Lubbock SMSAs. No adjustments are made to the baseline projections to account for this project.

Amoco CO₂ Pipeline

The Amoco pipeline project is designed to bring CO₂ from wells in Colorado to the Texas/New Mexico area. It would traverse Union, Harding, Quay, Curry, and Roosevelt counties in the M-X deployment region. The CO₂ delivered by the pipeline would be used for tertiary recovery of crude oil, a process that has been tested on an experimental basis but not yet applied commercially. The Amoco project bears a capital cost of approximately \$300 million.

Construction of the pipeline is expected to require approximately 6 months, and probably would start in the last quarter of 1983. The project would require two crews of 300 workers each, laying 15,000 feet of pipe daily for seven months to complete the planned 400-mi pipeline. The project's employment requirements consequently consist of about 600 workers during late 1983 and early 1984.

Assuming an employment multiplier of 1.75 for the five-county region through which the pipeline would be built, the project's 600 direct jobs would generate an additional 450 indirect jobs, for a total employment impact within the five-county area of 1,050 jobs.

Baseline population projections from the University of New Mexico's Bureau of Business and Economic Research indicate a population for the five-county area of 78,000 during this period. Projecting the region's 1975-78 average labor force participation rate of 39 percent and unemployment rate of 5 percent, baseline employment (labor force concept) in the five-county area would be about 29,000 persons in 1984. Project-related employment of 1,050 jobs represents 3.6 percent of this baseline projection.

Since much of the project is located within long commuting distance to Amarillo and Lubbock, many of the project's employees would reside in these metropolitan areas. If half of the 600 direct employees do so, a total of 750 jobs would be filled by residents of the five-county area. Assuming that 250 of these jobs are filled by area workers who otherwise would be unemployed, the remaining 500 jobs would be filled by in-migrants to the area. If the ratio of population to employment for these in-migrating workers is 2.3 (the U.S. average for 1979), the population of the five-county area would increase by 1,150 persons during 1983-84. This represents 1.5 percent of the area's baseline population. The population of each of the five counties traversed by the pipeline therefore is assumed to increase by 1.5 percent above the baseline projection during 1983 and 1984.

Shell-Mobile CO₂ Pipeline

Shell and Mobile plan to construct a pipeline to transport CO₂ across New Mexico in a northwest-southeast direction. A total of 10 New Mexico counties would be traversed by the pipeline. Within the region of influence of the M-X system, however, only Chaves and De Baca counties would contain portions of the pipeline.

The pipeline would require 1,300-1,400 workers during the peak construction-phase from April 1982 to June 1983. These workers would be spread over the ten-county area traversed by the pipeline. It is reasonable to assume that one crew of 300 persons would be employed in Chaves and De Baca counties during 1982-83. If half of the crew lives in these counties, and if the ratio of total project-related employment to direct employment is 1.3, the project would generate about 200 jobs

in Chaves and De Baca counties. Projecting the 1975-78 average labor force participation rates and unemployment rates for these counties implies a level of employment in Chaves County of 19,800 and in De Baca County of 1,000 in 1982-83. Pipeline-related employment would represent 1 percent of this two-county total.

Since the projected unemployment rate in Chaves County is 6 percent, many of the pipeline-related jobs could be filled by area workers who otherwise would be unemployed. The small number of remaining jobs generated by the project would be within the normal employment growth projected for Chaves County under baseline conditions. As a consequence, no alterations are made to the baseline projections to account for this project.

Arco CO₂ Pipeline

Arco plans to build a pipeline to transport CO₂ across the potential M-X deployment region from north to south through Union, Quay, Curry, and Roosevelt counties. The cost of the pipeline is approximately \$200 million, with a peak construction-personnel requirement of about 600 workers. The peak of construction activity would occur between the fall of 1982 and the fall of 1983.

The economic and demographic impacts of the pipeline would be very similar to those of the Amoco pipeline project discussed previously. The labor and materials demands of the two projects are similar, and both projects are located in the same area. Peak activity on the Arco pipeline is scheduled approximately a year earlier than that on the Amoco project. The baseline populations of the four affected counties consequently are increased by 1.5 percent in 1982-83 to account for the impacts of the Arco pipeline. For the four counties traversed by both pipelines, the projected 1983 population under high-growth conditions reflects the combined impacts of the two projects.

San Marco Coal Slurry Pipeline

The San Marco Pipeline Company plans to build a 900-mi coal slurry pipeline, 80 mi of which would cross Union County in the northeastern corner of New Mexico. At the peak of construction activity from fall 1984 through spring 1985, approximately 600 workers would be employed in building the pipeline.

If half of the projects direct employees reside in Union County, and assuming the project has an employment multiplier within the county of 1.25, total employment created in Union County as a result of the project is 375 jobs. Projecting into the future, the 1975-78 average labor force participation and unemployment rates of 45.6 and 4.2 percent, employment in Union County (labor force concept) would be approximately 2,100 persons. Project-related employment of 375 jobs represents 17.9 percent of this baseline projection.

Given the relatively low projected rate of unemployment, virtually all of the 375 workers would be in-migrants. If the average ratio of population to employment for these in-migrants is equal to the 1979 U.S. average of 2.3, the population impact of the project would be 860 persons. Since the peak of construction activity would be observed only during portions of 1984 and 1985, the annual average population impact would be somewhat less than 860 persons. Union County population is assumed to increase by 500 persons in 1984 and 750 persons in 1985 above trend-

growth conditions as a result of the San Marco pipeline. In 1984, these impacts are added to the smaller impacts of the Amoco pipeline.

Table 1.1-10 summarizes the adjustments made to the baseline projections of the University of New Mexico's Bureau of Business and Economic Research and the Texas State Water Board in order to account for the likely effects of major non-M-X projects.

PUBLIC FINANCE

Revenues and expenditures for the state of Texas are presented in Table 1.1-11 and Table 1.1-12. Total revenues amounted to \$9.4 billion in 1978-79 for an average annual rate of growth of 8.6 percent. The revenue structure of the state reflects a well-balanced framework with no single revenue source accounting for over 25 percent of the total. Sales tax revenues account for a large percentage share of total revenues (23.2 percent) and have grown at an annual average rate of 8.0 percent, slightly less than the 8.6 percent registered by total revenues. Of note is that interest income (interest earned on bank deposits) contributes approximately \$816.4 million to the states revenue stream which is the third largest single revenue source behind sales tax revenues and revenues received from the federal government.

Expenditures for the state of Texas amounted to approximately \$8.6 billion in 1978-79 for a rate of growth of 9.3 percent from 1977-78 to 1978-79. Much of this increase is due to education expenditures which account for over one-half of total state expenditures. Social service outlays (health, safety, and welfare expenditures) account for the second largest expenditure category, approximately \$2.2 billion or 25.5 percent of total expenditures. Along with education outlays, these two expenditure functions account for over three-quarters of the states total expenditures in 1977-78.

New Mexico

Revenues and expenditures for the state of New Mexico are presented in Tables 1.1-13 and 1.1-14. Much like Texas, revenues accruing to the state of New Mexico reflect a well-balanced structure. Principal sources of revenue are sales and gross receipt taxes and intergovernmental revenue, accounting respectively for 27.8 percent and 25.0 percent of total revenues. Intergovernmental transfers come principally from the federal government, though some local sources also contribute to this revenue source. Total revenues grew at a rate of 8.4 percent from 1975-76 to 1976-77. Sales and gross receipts tax increased at a slightly lower rate of 6.8 percent while intergovernmental revenues grew at a better than average 14.3 percent.

On the expenditure side, education service outlays account for the largest single expenditure category, 46.2 percent of total expenditures in 1976/77. Total expenditures grew at a rate of 6.1 percent between 1975/76 and 1976/77 with much of this increase paced by increases in education service outlays (12.2 percent growth rate) and public welfare expenditures (13.3 percent growth rate).

Table 1.1-10. Adjustments to baseline population projections to account for major non-M-X projects, Texas/New Mexico deployment region.

COUNTY AND PROJECT	1982	1983	1984	1985
Lamb County, TX				
Trend-growth Baseline	17,400	17,400	17,400	17,400
Impact of Tolk 1 and 2	100	100	100	100
High-growth Baseline	17,500	17,500	17,500	17,500
Curry County, NM				
Trend-growth Baseline	43,870	44,010	44,150	44,290
Impact of Amoco	---	660	660	---
Impact of Arco	660	660	---	---
High-growth Baseline	44,530	45,330	44,810	44,290
Harding County, NM				
Trend-growth Baseline	1,050	1,030	1,010	1,000
Impact of Amoco	---	15	15	---
High-growth Baseline	1,050	1,045	1,025	1,000
Quay County, NM				
Trend-growth Baseline	11,230	11,250	11,270	11,290
Impact of Amoco	---	170	170	---
Impact of Arco	170	170	---	---
High-growth Baseline	11,400	11,590	11,440	11,290
Roosevelt County, NM				
Trend-growth Baseline	16,610	16,670	16,730	16,800
Impact of Amoco	---	250	250	---
Impact of Arco	250	250	---	---
High-growth Baseline	16,860	17,170	16,980	16,800
Union County, NM				
Trend-growth Baseline	4,850	4,830	4,810	4,800
Impact of Armoco	---	70	70	---
Impact of Arco	70	70	---	---
Impact of San Marco	---	---	---	---
High-growth Baseline	4,920	4,970	5,380	5,350

3922

Sources: Trend-growth projections are from the Texas State Water Board and the University of New Mexico, Bureau of Business and Economic Research. Impact estimates and high-growth projections have been calculated by HDR Sciences, October 1980.

Note: Only in Lamb County, TX, do the changes shown persist through the entire projection period (through 1994). For the other counties shown no adjustments are made to the trend-growth baseline from 1986 through 1994.

Table 1.1-11. Summary of revenues, all funds,
State of Texas, 1976-1979.

REVENUE SOURCE	1977-78	1978-79
Taxes		
Sales Tax	\$1,012.7	\$1,174.9
Natural Gas Production Tax	510.8	554.4
Motor Fuel Taxes	477.7	489.5
Oil Production and Regulation Taxes	437.2	466.7
Motor Vehicle Sales Tax	401.1	433.3
Cigarette and Tobacco Taxes	300.3	309.8
Corporate Franchise Tax	264.9	293.8
Alcoholic Beverage Tax	172.6	191.7
Insurance Occupation Tax	147.4	166.5
Utility Taxes	93.0	103.7
Inheritance Taxes	79.1	73.7
Telephone Tax	44.8	52.4
Al valorem Tax	44.6	49.2
Other Tax	37.0	41.7
Sub-total	\$5,041.2	\$5,400.7
Federal Funds	\$2,037.7	\$2,284.9
Interest Income	665.1	816.4
License and Fees	405.6	395.2
Land Income	405.2	380.1
Other Revenue Sources	81.1	102.9
Total Revenues	\$8,634.8	\$9,380.1

1529

Source: 1979 Annual Financial Report, State of Texas,
Comptroller of Public Accounts, 1979.

Table 1.1-12. Summary of expenditures, all funds,
State of Texas, 1977-1979 (millions
of dollars).

SOURCE	1977-1978	1978-1979
Administrative	\$ 227.5	\$ 241.5
Services		
Welfare	1,336.0	1,509.2
Mental health and corrections	430.0	454.6
Health and sanitation	136.2	137.7
Law enforcement	86.5	90.4
Sub-total	1,988.7	2,191.9
Improvements		
Highway maintenance and construction	922.4	1,020.0
Natural resources	81.4	86.3
Parks and monuments	45.8	48.4
Sub-total	1,049.6	1,154.7
Education	4,004.0	4,327.5
Other		
Grants to political subdivisions	263.6	293.3
Debt service	151.3	105.0
Miscellaneous	190.6	297.0
Sub-total	605.5	695.3
Total Net Expenditures	\$7,875.3	\$8,610.9

2005

Source: 1979 Annual Financial Report, State of Texas,
Comptroller of Public Accounts, 1979.

Table 1.1-13. Summary of revenues, State of New Mexico, selected years (\$ thousands).

REVENUE SOURCE	1975-76	1976-77
Taxes		
Income Taxes	\$ 58,191	\$ 26,639
Sales and Gross Receipts Taxes	351,976	376,073
Other	164,904	194,892
Subtotal	\$ 575,071	\$ 597,604
Intergovernmental Revenue		
Federal	\$ 280,036	\$ 325,960
Local	15,424	11,765
Subtotal	\$ 295,460	\$ 337,725
Charges for Services	77,251	87,914
Insurance Trust Revenue	125,709	133,980
Miscellaneous	171,215	192,083
Total Revenues	\$1,244,706	\$1,349,306

1521

Source: New Mexico Statistical Abstract, 1979-80. Bureau of Business and Economic Research, University of New Mexico

Table 1.1-14. Summary of expenditures, State of New Mexico, selected years (thousands of dollars).

EXPENDITURE CATEGORY	1975-76	1976-77
General Administration	\$ 115,654	\$ 121,087
Education		
Higher Education	145,888	186,515
Intergovernmental	271,922	308,628
Local Schools	3,311	3,982
Other	25,603	25,875
Subtotal	467,911	525,000
Health Services	19,811	24,176
Highways	147,669	125,531
Hospitals	48,770	51,927
Public Welfare	94,335	106,846
Natural Resources	34,326	40,016
Miscellaneous	142,875	142,460
Total Expenditures	\$1,071,351	\$1,137,043

1524

Source: New Mexico Statistical Abstract, 1979-80.
Bureau of Business and Economic Research,
New Mexico.

1.2 POPULATION

Both Texas and New Mexico have been experiencing population growth since 1970 as a result of in-migration from other states. In Texas, most of the newcomers settled in the large metropolitan areas, a reverse of trend encountered in large cities in other states. In New Mexico, most in-migrants have been settling in small cities and rural areas. In-migration into both states is expected to continue, yielding a projected population growth figure for Texas of 18,270,700 by the year 2000 and for New Mexico it is 1,397,200 persons by 1990. The 1980 population estimate for Texas is 13,393,100 and for New Mexico, 1,143,800.

Population growth in both states has been the result of natural increase as well as in-migration. In New Mexico, natural increase has been progressing at a higher rate than in Texas. Favorable employment conditions in both states have helped attract new residents as has living in the Sun Belt. In the case of both states, in-migrants have increased the proportion of younger people in the total population.

Texas

Texas is the third most populous state in the Union. With a 1977 population of approximately 13 million, its size is exceeded only by California and New York. Between 1970 and 1977, the state's population increased at an average annual rate of 1.4 percent a year, well above the national average of 0.9 percent a year. However, Texas' population growth was exceeded by eleven other states, as Table 1.2-1 indicates. The state's projected population is expected to increase from 13.4 million in 1980 to just over 18 million in 2000 (Bureau of Business Research, University of Texas, 1980).

In the 1960s, Texas population growth rates were not large but were above the national average and accelerated slightly in the 1970s. Table 1.2-2 indicates that between 1970 and 1975, the annual population growth rate for the state averaged 1.8 percent. The increase in Texas was in keeping with the trend occurring in the South and Southwest and was the result more of in-migration than natural increases. However, while large metropolitan areas throughout the nation were experiencing declines through out-migration, large Texas cities continued to grow, and at faster rates than small towns and rural areas. Nationwide, annual growth rates in metropolitan areas slowed from 1.6 percent over the 1960 to 1970 period to 0.8 percent between 1970 and 1975 and increased in nonmetropolitan areas from 0.4 percent to 1.2 percent during the same periods. On the other hand, Texas metropolitan areas maintained a steady average annual growth rate of 2.1 percent from 1960 to 1975 while nonmetropolitan areas showed annual growth rates of -0.2 percent to 0.8 percent in the 1960 to 1970 and 1970 to 1975 periods, respectively (Table 1.2-3). This is likely due to the fact that Texas has had a smaller share of large metropolitan areas that were most affected by the national trend and because the large increase in net migration in the 1970s dampened the decline in metropolitan growth rates as most new arrivals settled in cities.

Since 1950, Texas has had steady growth of population, interspersed by three periods of decline. During the 1950s, net migration averaged 9,700 people annually. It increased to 18,000 a year in the 1960s, then rose sharply to 100,400 per year in the 1970s, as Table 1.2-4 indicates. The beginning of the sharp increase occurred in 1967 and peaked in 1975. The three periods of decline (1953-1954, 1957-1958, 1970-1971) occurred during national recessions and, presumably, families with real or anticipated employment problems did not readily migrate. There was also a

Table 1.2-1. Population growth for selected states,
1970, 1977.

RANK	STATE	1977 (000s)	1970 (000s)	AVERAGE ANNUAL GROWTH 1970-1977 (PERCENT)
1	Alaska	407	303	4.3
2	Arizona	2,296	775	3.7
3	Nevada	633	489	3.8
4	Florida	8,452	6,791	3.2
5	Wyoming	406	332	2.9
6	Idaho	857	713	2.7
7	Utah	1,268	1,059	2.6
8	Colorado	2,619	2,210	2.5
9	New Mexico	1,190	1,017	2.3
10	Hawaii	895	770	2.2
11	New Hampshire	849	738	2.0
12	Texas	12,332	11,199	2.0
	United States	216,332	203,305	0.9

1526-1

Source: Rita J. Wright and Mildred C. Anderson
Texas Fact Book, 1980. Bureau of Business
 Research, University of Texas, 1980, p. 108.

Table 1.2-2. Population growth in the United States and Texas 1960-1975¹ (percent).

AREA	POPULATION		NATURAL INCREASE		NET MIGRATION	
	1960-1970	1970-1975	1960-1970	1970-1975	1960-1970	1970-1975
U.S.	1.3	0.9	1.1	0.7	0.2	0.2
Texas	1.6	1.8	1.4	1.1	0.2	0.7

1527-1

¹Figures are expressed as average annual percent growth rates.

Source: John A. Burghardt, Major Trends in Population Growth in Texas. Research Report 1978-3, Bureau of Business Research, University of Texas, November 1978, p. 5.

Table 1.2-3. Growth rates for metropolitan and non-metropolitan areas in the United States and Texas, 1960-1975.

REGION	METROPOLITAN AREAS ANNUAL AVERAGE GROWTH RATES (Percentage)		NONMETROPOLITAN AREAS ANNUAL AVERAGE GROWTH RATES (Percentage)	
	1960-1970	1970-1975	1960-1970	1970-1975
United States	1.6	0.8	0.4	1.2
Texas	2.1	2.1	-0.2	0.8

1528

NOTE: For Texas the category "metropolitan area" includes all counties that belonged to standard metropolitan statistical areas as of January 1978. Certain of these counties did not belong to SMSAs in 1960 or 1970 or 1975. However, this procedure prevents change in a county's metropolitan status from causing a change in metropolitan population.

Source: John A. Burghardt, *Major Trends in Population Growth in Texas*. Research Report 1978-3, Bureau of Business Research, University of Texas, November 1978, p 9.

Table 1.2-4. Annual estimates of net migration into Texas, 1950-1977.

YEAR	MIDYEAR POPULATION (1000)	CHANGE IN POPULATION (1000)	NATURAL INCREASE (1000)	NET MIGRATION (1000)	NATURAL INCREASE RATE (Percent)	NET MIGRATION RATE (Percent)
1950	7,748	233	148	85	1.9	1.1
1951	8,140	300	158	142	1.9	1.7
1952	8,347	129	168	-39	2.0	-0.5
1953	8,399	51	175	-124	2.1	-1.5
1954	8,449	172	181	-9	2.1	-0.1
1955	8,742	228	181	47	2.1	0.5
1956	8,906	189	183	6	2.1	0.1
1957	9,120	204	183	21	2.0	0.2
1958	9,314	167	176	-9	1.9	-0.1
1959	9,453	155	178	-23	1.9	-0.2
1960	9,624	183	173	10	1.8	0.1
1961	9,820	215	171	44	1.7	0.5
1962	10,053	169	166	3	1.7	0.0
1963	10,159	109	155	-46	1.5	-0.5
1964	10,270	109	149	-40	1.5	-0.4
1965	10,378	111	129	-18	1.2	-0.2
1966	10,492	111	118	-7	1.1	-0.1
1967	10,599	163	118	45	1.1	0.4
1968	10,819	223	115	108	1.1	1.0
1969	10,045	208	127	81	1.2	0.7
1970	11,235	197	136	61	1.2	0.5
1971	11,438	208	134	74	1.2	0.7
1972	11,651	220	115	105	1.2	0.9
1973	11,878	215	108	107	1.2	0.9
1974	12,081	220	111	109	1.2	0.9
1975	12,318	259	117	142	1.2	1.2
1976	12,599	244	117	127	1.2	1.0
1977	12,806	207	129	78	1.2	0.6

1532

Source: Thomas R. Plant, *Net Migration into Texas and Its Regions: Trends and Patterns*. Research Report 1979-1, Bureau of Business Research, University of Texas, September 1979, p. 17.

recession in 1974-1975 but this is the time when migration reached its peak; economic conditions were better in Texas than they were nationwide.

Natural increase in Texas peaked at about 182,000 during 1954-1957, then declined steadily to 115,000 in 1968. A comparison between net migration and natural increase shows a relationship between high periods of in-migration followed by small increases in the natural birth rate as seen during 1967-1969 and 1974-1976. It is likely that heavy in-migration of fairly young people prevented the natural increase from further decline.

The pattern of Texas in-migration has shown three major shifts. During the 1950s, net migration was high in West Texas, which comprises large metropolitan areas and the coastal area next to Louisiana. Moderate to substantial out-migration was characteristic of the rest of the state. Migration into the large cities continued into the 1960s while movement into West Texas declined considerably. In the 1970s, migration increased into all parts of Texas with movement into large cities declining, but still keeping ahead of rural increases.

New Mexico

In the past two decades, New Mexico's population trend has been reversed. During the 1960s, net out-migration reduced the state's growth to less than an average annual growth rate of one per cent a year, but during the 1970s, population growth more than doubled, and was due to net in-migration and the highest birth rate of any state in the West. Between 1975 and 1990, the state's population is expected to increase by almost 400,000 persons. Table 1.2-5 details components of population forecasts prepared by the Bureau of Business and Economic Research, University of New Mexico. They project slightly more growth, 136,500 persons, over the 1980-1985 period and in all periods most of the growth will be derived from natural increases. The highest rate of increase is in and around Albuquerque, the state's largest metropolitan area.

Since 1970, the state's annual population growth has more than doubled over the preceding decade. An analysis of national migration patterns during the past two decades shows that during the 1960s, most of the people moving to the west were attracted to the major metropolitan areas and especially to California. In-migration to these cities was twice as high as was the move to smaller metropolitan areas. While this movement resulted in large population gains for some states--especially California--in New Mexico, in-migration to Albuquerque counter-balanced the out-migration from rural areas and resulted in the modest annual population growth of less than one percent identified above.

During the 1970s, migration to the West continued but with different settlement preferences. Migration to the West is no longer dominated as much as it was by California. Further, large metropolitan areas in the West reported out-migrations. At the same time, migration to smaller metropolitan counties and less populous states, like New Mexico, increased. A number of attempts have been made to determine why New Mexico's population growth changed in the 1970s but these studies only concluded that the underlying causes cannot be specifically determined. Even migration motivated by economic reasons was rejected because smaller metropolitan and rural areas, as a rule, have had fewer employment opportunities and lower per capita incomes than metropolitan areas. In the case of New Mexico,

Table 1.2-5. Population projections and components of change, New Mexico.

PROJECTIONS	INTERVAL		
	1975-1980	1980-1985	1985-1990
Beginning Population	1,143,800	1,26,600	1,403,100
End Population	1,266,600	1,403,100	1,539,000
Population Change			
Number	122,800	136,500	135,900
Average Annual Growth (Percent)	2.1	2.1	1.9
Components of Change			
Natural Increase	66,900	80,700	80,000
Births	144,200	134,800	140,900
Deaths	47,300	54,100	60,900
Net Migration	5,900	5,900	5,900

1530-1

Source: Lynn Wombold, Population Estimates and Projections; 1970-2000, Counties and Wastewater Facility Planning Areas, Bureau of Business and Economic Research, University of New Mexico, September 1979, p. 25.

it is presumed that the factors attracting migrants are the sunbelt climate and the disadvantages of low wages being offset by a lower cost of living (Bureau of Business and Economic Research, University of New Mexico, September 1979). In 1978, per capita income in the Southwest was the second lowest in the United States.

The age distribution of the present and projected population shows that only the age interval of 15 to 24 years is expected to decline, while all other age groups will increase, as indicated in Table 1.2-6. Highest growth rates are projected for the age class 30 to 44 and the lowest are ages 10 to 14 and 55 to 59. Through the 1990 forecast period, the proportion of males and females is expected to remain constant at 49 percent and 51 percent, respectively (Bureau of Business and Economic Research, University of New Mexico, April 1977).

Table 1.2-6. Population by age and sex, New Mexico.

AGE INTERVALS	1980			1985			1990		
	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL
Totals ¹	621,900	641,800	1,263,700	688,100	709,100	1,397,200	753,900	776,000	1,529,900
0-4 Years	55,400	53,700	109,100	65,600	63,500	129,100	68,600	66,300	134,900
5-9	48,900	47,700	96,600	55,900	54,300	110,200	66,100	64,100	130,200
10-14	56,900	54,900	111,800	52,200	51,000	103,200	59,200	57,600	116,800
15-19	65,600	64,800	130,400	59,000	57,000	116,000	54,400	53,100	107,500
20-24	68,000	63,800	131,800	70,400	66,300	136,700	63,900	58,500	122,400
25-29	55,800	57,800	113,600	67,600	66,800	134,400	70,000	69,300	139,300
30-34	51,100	51,300	102,400	61,100	61,900	123,000	72,800	70,900	143,700
35-39	39,200	41,200	80,400	53,900	53,900	107,800	63,700	64,400	128,100
40-44	30,800	34,400	65,200	39,100	42,100	81,200	53,500	54,700	108,200
45-49	29,200	31,100	60,300	31,000	34,700	65,700	39,100	42,200	81,300
50-54	27,600	29,700	57,300	28,700	31,000	59,700	30,400	34,500	64,900
55-59	25,900	28,000	53,900	26,700	29,300	56,000	27,800	30,600	58,400
60-64	21,200	23,400	44,600	24,300	27,400	51,700	25,000	28,700	53,700
65-69	17,300	20,400	37,700	19,100	22,700	41,800	21,800	26,500	48,300
70-74	13,700	16,700	30,400	14,600	18,800	33,400	16,100	21,000	37,100
75 Years and over	15,400	22,700	38,100	18,800	28,400	47,200	21,400	33,600	55,000

¹Detail may not sum to total due to rounding difference.

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Source: Lynn Wombold, *Estimates and Projections of the Population of New Mexico by County, 1975-1990*. Bureau of Business and Economic Research, University of New Mexico, April 1977, p. 15.

2.0 POTENTIAL IMPACTS ON THE TEXAS/NEW MEXICO REGIONAL ENVIRONMENT

Deployment of the M-X system in sparsely populated areas of the Texas/New Mexico will produce rapid, large-scale changes in the character of the human environment. Effective operation of the M-X system requires a deployment region containing relatively few human inhabitants. Yet construction and operation of the system will result in the introduction of large numbers of people into the rural, thinly settled deployment region. This rapid growth in population resulting from the large labor and materials demands of the project will cause significant changes in the economic and social structures of the rural deployment areas.

In some cases, M-X deployment would transform deployment-region communities from slow-growing communities of a few thousand population or smaller into active regional population centers of 20,000 persons or more. This would be the case for the communities adjacent to the M-X operating bases. Other areas would undergo "boom-bust" growth similar to that caused by energy developments throughout the western United States. The estimating techniques for calculating economic, social, and local government impacts of M-X deployment in Texas/New Mexico have been identified in the Nevada/Utah technical report, so will not be repeated here.

2.1 IMPACTS ON ECONOMIC ACTIVITY

Employment and Labor Force

Deployment of the M-X missile would provide direct employment for almost 30,000 persons during the peak of project activity. It also would generate demands for construction materials and other goods and services to support the construction and operation work-forces, which would then stimulate increased ancillary economic activity in the deployment region. Retail outlets, such as chain-type supermakets, and service industry growth, e.g., motels, hotels, and restaurants would increase in numbers as local suppliers respond to the increased economic activity.

Full Deployment

The direct economic effects of the M-X project originate at specific geographic locations. Construction camps and operating bases represent points of employment and earnings for construction, assembly and checkout, and operations personnel. The bases also serve as points of procurement demand for goods and services. Base locations for full deployment in Texas/New Mexico are presented in the DEIS Figure 2.2-3. It also indicates where DDA facilities, and construction camps would be sited.

The consequences of direct project-related economic activity are, however, distributed over a broad region in eastern New Mexico and northwestern Texas. The region of influence (ROI) includes the following counties (see previous Figure 1-1):

- o In Texas - Bailey, Castro, Cochran, Dallam, Deaf Smith, Hale, Hartley, Hockley, Lamb, Lubbock, Moore, Oldham, Parmer, Potter, Randall, Sherman, and Swisher; and
- o In New Mexico - Chaves, Curry, De Baca, Harding, Quay, Roosevelt, and Union.

Direct Employment

The economic impacts of M-X deployment would be spread over a larger area than the ROI, but effects within these counties would be the most critical. The most important effect is the project's requirement for labor. Table 2.1-1 presents direct labor requirements for full deployment in Texas/New Mexico. These direct labor requirements differ from those of the Proposed Action in Nevada/Utah in the timing, magnitude, and regional distribution of construction and assembly and checkout employment for DDA facilities. Total direct employment peaks at 29,800 persons in 1987, and remains above 25,000 over the period 1986-1988. Table 2.1-1 indicates that long-term direct employment would equal 13,200 employees by 1991, and would continue at this level over the life of the project.

Table 2.1-2 details construction employment estimates for the 15 camps located throughout the ROI. Employment would last at each camp about three to four years between 1983 and 1989. Locating the first operating base at Clovis, in Curry County, would directly create jobs for up to 2,400 construction workers, 2,900 assembly and checkout workers and 7,500 operations personnel (including military). The operating base would be fully operational by 1989, and of the total personnel required, about 6,400, or 85 percent, would be military. The second operating base near Dalhart, in Dallam and Hartley counties, would employ up to 2,000 construction workers and 5,700 operations personnel. Construction of the second base would begin in 1986, with the base fully operational by 1989.

Assembly and checkout personnel would be required at each of the 15 camps, as well as at the first operating base. Employment levels at each of these locations on a yearly basis are shown in Table 2.1-3. As in Nevada/Utah, slightly more than half of these workers would be employed on DDA facilities at the peak of activity.

Indirect and Total M-X-Related Employment

Indirect employment results from respending of payrolls earned by direct employees, as well as from local procurement of goods and services to support the project. Another source of indirect employment is project-related investment in highways, schools, public and private utility expansion, and construction of retail, commercial, and industrial buildings. This would be most important in communities nearest the operating bases, notably Clovis and Dalhart.

Table 2.1-4 presents annual estimates of direct, indirect, and total project-related employment for the entire ROI. The table indicates how rapid indirect employment rises, beginning at about 1,600 jobs in 1982, and peaking at 23,300 by 1987. The table indicates though, that as construction labor requirements decline, as project-related investments are completed, and as assembly and checkout labor needs are reduced, indirect employment would decline, stabilizing at about 4,900 jobs by 1992. These data are summarized graphically in Figure 2.1-3.

Total project-related employment for the Texas/New Mexico region as a whole is projected to peak at 53,000 jobs in 1988. Using population projections by the Texas State Water Board and the University of New Mexico's Bureau of Business and Economic Research, M-X-related employment would be about 17 percent of projected baseline employment of 321,000 jobs in that year. In a region projected to exhibit baseline employment growth of 1 percent annually over the period

Table 2.1-1. Total M-X system personnel requirements, full deployment, Texas/New Mexico, 1982-1991.

DESCRIPTION	PERSONNEL									
	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
Construction										
DDA ¹		350	2,600	8,100	12,050	13,000	11,750	10,000		
First OB Complex ²	1,150	1,900	2,400	2,600	1,200					
Second OB Complex ³				200	1,350	2,050	1,400	77		
Subtotal	1,150	2,850	5,000	10,900	14,600	15,050	13,200	10,077		
Operations										
DDA										
First OB Complex ²		50	100	1,750	3,150	3,100	3,100	2,100		
Second OB Complex ³		350	900	1,800	2,850	2,800	2,800	2,075	50	
Subtotal		400	1,000	3,550	6,000	5,900	5,900	4,175	100	
Operations										
First OB Complex ²			1,250	2,500	3,750	5,000	6,250	7,500	7,500	7,500
Second OB Complex ³					1,400	2,800	4,200	5,700	6,500	6,700
Subtotal			1,250	2,500	5,150	7,800	10,450	13,200	14,000	14,200
Total	1,150	3,250	7,250	16,350	25,750	29,750	29,600	23,300	14,100	14,200

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DDA includes PS, ASC, DTN, CME, RSS, and CR.

First OB Complex includes OB, DAA, DBTS, and LPT-1011. The complexity of training the existing personnel at DDA is not included in this analysis.

Second OB Complex includes OB, LPT-1011, and CR.

14.5.2.1.2. Personnel required for construction of
 BPA facilities and operating bases, full
 deployment, Texas-New Mexico, 1982-1989.

Activity	ESTIMATED PERSONNEL						
	1982	1984	1985	1986	1987	1988	1989
Construction of BPA facilities			1,150	1,145	400		
Operating bases			1,500	1,400	350		
				450	1,450	850	
					1,100	2,300	400
			1,100	1,100			
			1,100	1,250	700		
				800	1,100	50	
				500	1,500	1,850	650
					500	1,350	800
			1,100	1,100	1,150		
				1,100	1,100	500	
				400	1,100	1,650	250
				500	400	1,250	50
					600	1,350	1,450
					1,100	11,750	1,600
						1,450	750
						1,100	4,150

(171)

14.5.2.1.2. Personnel required for construction of BPA facilities.

Table 2.1-3. Personnel required for assembly and check-out of DDA facilities and operating bases, full deployment, Texas/New Mexico, 1982-1990.

CASE NUMBER	ASSEMBLY AND CHECKOUT							
	1982	1983	1984	1985	1986	1987	1988	1989
01			250	800	150			
02			350	400	300			
03				300	350	350	100	
04					150	300	600	
05	50	100	800	350				
06			250	300				
07				300	300			
08					400	250		
09					150	300	500	
10						200	500	
11			100	450	450	100		
12				250	400	450	100	
13					500	400	300	
14						250	250	
15						500	750	50
Subtotal	50	100	1,750	3,150	3,150	3,100	3,100	50
Base I	350	900	1,800	2,850	2,850	2,800	2,650	50
Base II								
Total	400	1,000	3,550	6,000	6,000	5,900	5,750	100

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See Figure 2.1-3.

Source: HDR Sciences, with approval of U.S. Air Force, Ballistic Missile Office.

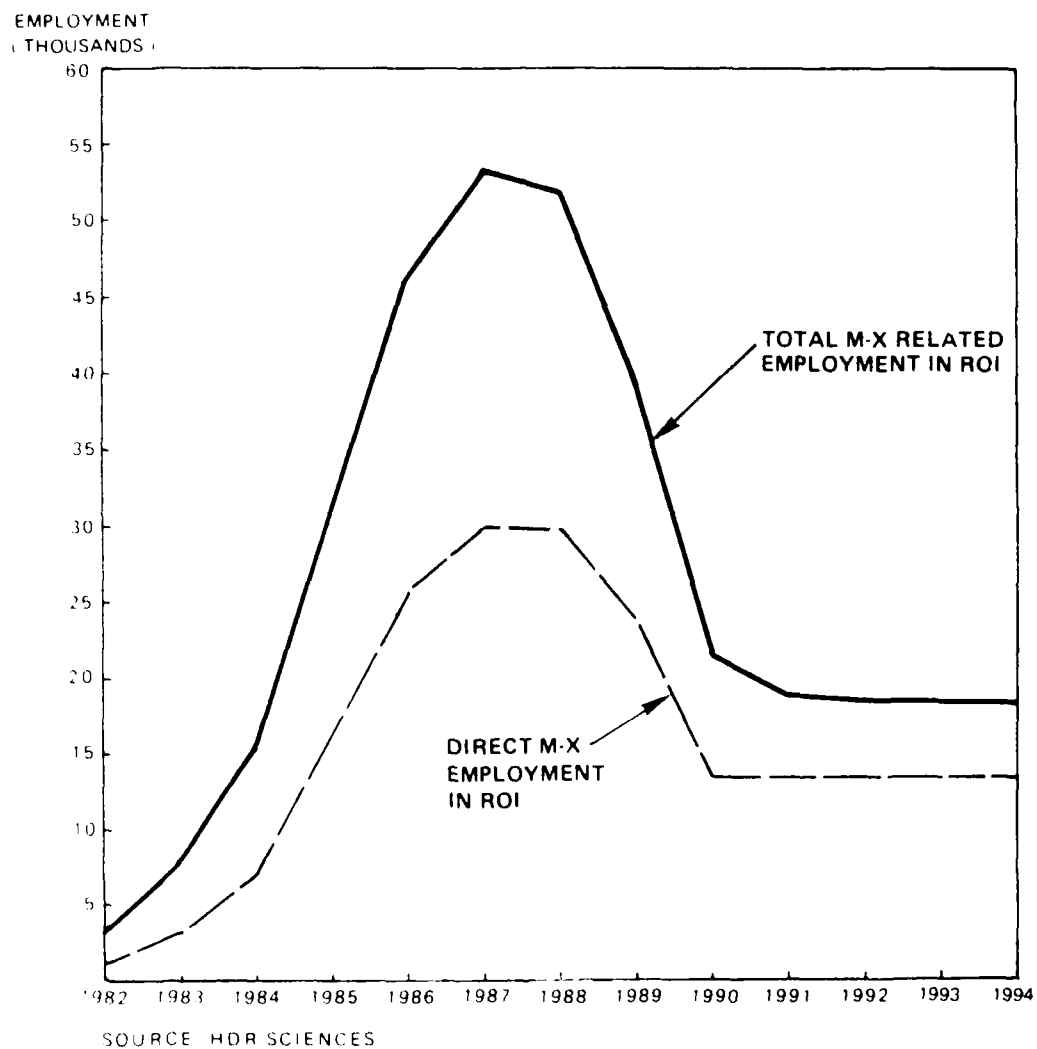
Table 2.1-1.

TYPE OF EMPLOYMENT	NUMBER OF JOBS													
	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975
TECHNICAL FACILITIES														
CONSTRUCTION	0	930	2600	8100	12050	13900	11750	3600	0	0	0	0	0	0
ASSEMBLY + CONSTRUCT	0	50	130	1750	3150	7150	3100	3100	50	0	0	0	0	0
RACE														
CONSTRUCTION	1150	1900	2300	2200	2750	2050	1450	750	0	0	0	0	0	0
ASSEMBLY AND CHECKOUT	0	350	900	1000	2850	2050	2800	2650	50	0	0	0	0	0
OPERATIONS	0	0	100	200	400	600	850	1550	1550	1550	1550	1550	1550	1550
OFFICERS	0	0	950	1625	4000	4050	8050	10150	10150	10150	10150	10150	10150	10150
ENLISTED PERSONNEL	0	0	200	375	750	1150	1600	2000	2000	2000	2000	2000	2000	2000
CIVILIANS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL DIRECT	1150	3270	7200	16350	20750	20750	29600	23300	13300	17200	17200	17200	17200	17200
INDIRECT	1596	4218	7880	14448	20502	23283	32199	15688	7962	5271	4948	4974	4974	4974
TOTAL	2746	7488	15080	30798	46252	53033	51799	38988	21262	18471	18148	18174	18174	18174

SOURCE: MDR SCIENCES, 31-OCT-80

Table 2.1-5.

TOTAL CIVILIAN M-X RELATED EMPLOYMENT, AVAILABLE RESIDENT LABOR FORCE, AND NET CIVILIAN LABOR FORCE IMPACT BY PLACE OF RESIDENCE FOR DEPLOYMENT REGION													
ALTERNATIVE 7 FULL DEPLOYMENT - TEXAS/NEW MEXICO (L) BASE I AT CLOVIS, NM (CURRY CO.) BASE II AT DALHART, TX (HARTLEY CO.)													
	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
TOTAL CIVILIAN M-X-RELATED EMPLOYMENT	2746	7468	14030	28674	41832	46384	42890	27786	10060	7270	6845	6731	6931
AVAILABLE RESIDENT LABOR FORCE	3290	3314	3348	3381	3411	3441	3472	3503	3536	3568	3598	3631	3663
NET CIVILIAN LABOR FORCE IMPACT	2153	6726	13098	27622	40957	45744	41775	26199	9199	7381	7209	7194	7187
SOURCE: MOR SCIENCES, 31-OCT-80													



3285-A

Figure 2.1-3. Direct and total M-X-related employment with full deployment in Texas/New Mexico.

1982-1994, M-X impacts at the regional level represent a sizable perturbation. Unemployment rates would decline, some labor skills -- such as construction trades -- would be in very short supply, and some wage escalation would be expected, particularly in peak employment years. Adjustment problems would be exacerbated by the region's historic orientation toward agriculture, making it less able to accommodate direct personnel consumption demands and local military procurement needs. Long-run employment impacts for the ROI would stabilize after 1991 at about 18,100 jobs, roughly 5 percent of the region's baseline employment forecast. Although a number of non-M-X projects are possible in the region over the same period, none is considered large enough to significantly alter the employment impacts of M-X.

Long run effects would be significant, inducing economic growth principally in base support industries, and reducing the region's traditional reliance on agriculture.

Regional Labor Force Impacts

Increased pay levels and enhanced employment opportunities would reduce unemployment and increase labor force participation. In response to improved employment opportunities, the region would experience labor in-migration to fill jobs indirectly related to the project, for base assembly and checkout, and to supply military and civilian personnel requirements of operating bases. Table 2.1-5 indicates the amount of in-migration which is projected; the third row of figures, termed "net civilian labor force impact," represents the cumulative number of new civilian workers expected to migrate into the region as a result of M-X deployment. Peak cumulative civilian in-migration could reach as high as 45,700 persons, almost 14 percent of the baseline forecast of total civilian labor force of 334,000 persons in 1987. As the employment peak passes, unemployment and labor force participation rates would be expected to return to normal or even slightly depressed levels, inducing out-migration, hence the net civilian labor force impact figures in Table 2.1-5, begin declining after 1987. Out-migration is still underway in 1994, but cumulative civilian labor force in-migration has nearly stabilized at about 7,200 persons, roughly 2 percent of the region's baseline civilian labor force.

County Level Effects

The direct employment effects for construction and assembly and checkout personnel employed on the project would originate at construction camps and bases throughout the ROI. The larger operating base near Clovis, in Curry County, New Mexico would induce direct impacts in this county, with significant spillovers of economic activity to Portales in Roosevelt County, and Roswell in Chaves County. The smaller operating base located southwest of Dalhart in Hartley County would directly impact this county as well as nearby Dallam and Moore counties and the Amarillo metropolitan area. Amarillo and Lubbock are major metropolitan areas within the ROI, and would experience measurable growth in employment as a result of M-X deployment.

At the peak of project activity during 1986-88, the employment effects of the M-X system would be dispersed widely over the ROI. In many counties, however, these impacts are expected to be small relative to baseline conditions without the project, as Table 2.1-6 indicates. It shows that of the 24 counties within the ROI, the following are projected to experience employment growth of less than 5 percent

Table 2.1-6. (Page 1 of 4)

EMPLOYMENT IMPACTS (BY PLACE OF RESIDENCE, INCLUDING MILITARY)

ALTERNATIVE 7. FULL DEPLOYMENT - TEXAS/NEW MEXICO (L)																															
BASE I AT CLOVIS, NM (COURRY CO.)																															
BASE II AT DALLAM, TX (HARTLEY CO.)																															
COUNTRY	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994		COUNTRY	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994			
BAILEY	BASELINE	3423	3432	3440	3452	3456	3465	3473	3481	3489	3493	3493	3493	3493		BASELINE	3423	3432	3440	3452	3456	3465	3473	3481	3489	3493	3493	3493	3493		
	WITH M-X	3423	3437	3456	3857	4390	5055	4455	3639	3496	3493	3493	3493	3493		WITH M-X	3423	3437	3456	3857	4390	5055	4455	3639	3496	3493	3493	3493	3493	3493	
	DIFFERENCE	0	5	16	405	934	1590	982	158	7	0	0	0	0		DIFFERENCE	0	5	16	405	934	1590	982	158	7	0	0	0	0	0	
	PERCENT INCREASE OVER BASELINE	0.0	0.1	0.5	11.7	27.0	45.9	28.3	4.5	0.2	0.0	0.0	0.0	0.0		PERCENT INCREASE OVER BASELINE	0.0	0.1	0.5	11.7	27.0	45.9	28.3	4.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0
CASTRO	BASELINE	4104	4119	4135	4154	4181	4212	4244	4275	4306	4344	4383	4422	4461		BASELINE	4104	4121	4141	4189	4325	4416	4357	4323	4315	4345	4383	4422	4461		
	WITH M-X	4104	4121	4141	4189	4325	4416	4357	4323	4315	4345	4383	4422	4461		WITH M-X	4104	4121	4141	4189	4325	4416	4357	4323	4315	4345	4383	4422	4461		
	DIFFERENCE	0	2	6	35	144	201	113	48	9	1	0	0	0		DIFFERENCE	0	2	6	35	144	201	113	48	9	1	0	0	0	0	
	PERCENT INCREASE OVER BASELINE	0.0	0.0	0.1	0.8	3.4	4.8	2.7	1.1	0.2	0.0	0.0	0.0	0.0		PERCENT INCREASE OVER BASELINE	0.0	0.0	0.1	0.8	3.4	4.8	2.7	1.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0
COCHRAN	BASELINE	2092	2092	2092	2092	2092	2092	2092	2092	2092	2104	2120	2137	2153		BASELINE	2092	2093	2098	2125	2149	2164	2141	2108	2094	2104	2120	2137	2153		
	WITH M-X	2092	2093	2098	2125	2149	2164	2141	2108	2094	2104	2120	2137	2153		WITH M-X	2092	2093	2098	2125	2149	2164	2141	2108	2094	2104	2120	2137	2153		
	DIFFERENCE	0	1	6	33	56	72	49	16	2	0	0	0	0		DIFFERENCE	0	1	6	33	56	72	49	16	2	0	0	0	0	0	
	PERCENT INCREASE OVER BASELINE	0.0	0.0	0.3	1.6	2.7	3.4	2.3	0.8	0.1	0.0	0.0	0.0	0.0		PERCENT INCREASE OVER BASELINE	0.0	0.0	0.3	1.6	2.7	3.4	2.3	0.8	0.1	0.0	0.0	0.0	0.0	0.0	0.0
DALLAM	BASELINE	2234	2260	2286	2316	2339	2365	2391	2417	2446	2482	2521	2560	2600		BASELINE	2234	2260	2286	2316	2339	2365	2391	2417	2446	2482	2521	2560	2600		
	WITH M-X	2234	2261	2318	2471	2774	3129	3569	4667	5700	6478	7374	8408	9488		WITH M-X	2234	2261	2318	2471	2774	3129	3569	4667	5700	6478	7374	8408	9488		
	DIFFERENCE	0	1	232	1115	2774	5129	6369	4667	1700	996	853	848	848		DIFFERENCE	0	1	232	1115	2774	5129	6369	4667	1700	996	853	848	848		
	PERCENT INCREASE OVER BASELINE	0.0	0.0	10.1	48.1	118.6	216.8	274.7	193.1	69.9	40.1	33.8	33.1	32.6		PERCENT INCREASE OVER BASELINE	0.0	0.0	10.1	48.1	118.6	216.8	274.7	193.1	69.9	40.1	33.8	33.1	32.6		
DRAF SMITH	BASELINE	8126	8183	8240	8301	8367	8476	8566	8635	8749	8851	8937	9063	9168		BASELINE	8126	8183	8240	8301	8367	8476	8566	8635	8749	8851	8937	9063	9168		
	WITH M-X	8126	8192	8275	8488	8775	9792	11431	10536	8864	8857	8937	9063	9168		WITH M-X	8126	8192	8275	8488	8775	9792	11431	10536	8864	8857	8937	9063	9168		
	DIFFERENCE	0	9	35	187	388	1316	2865	2281	115	6	0	0	0		DIFFERENCE	0	9	35	187	388	1316	2865	2281	115	6	0	0	0	0	
	PERCENT INCREASE OVER BASELINE	0.0	0.1	0.4	2.3	4.6	15.5	33.4	26.4	1.3	0.1	0.0	0.0	0.0		PERCENT INCREASE OVER BASELINE	0.0	0.1	0.4	2.3	4.6	15.5	33.4	26.4	1.3	0.1	0.0	0.0	0.0	0.0	0.0
HALE	BASELINE	15845	16113	16284	16456	16628	16799	16975	17155	17331	17553	17775	18001	18231		BASELINE	15845	16113	16284	16456	16628	16799	16975	17155	17331	17553	17775	18001	18231		
	WITH M-X	15845	16123	16337	16855	17295	17453	17315	17252	17348	17554	17775	18001	18231		WITH M-X	15845	16123	16337	16855	17295	17453	17315	17252	17348	17554	17775	18001	18231		
	DIFFERENCE	0	10	53	397	667	654	340	97	17	1	0	0	0		DIFFERENCE	0	10	53	397	667	654	340	97	17	1	0	0	0	0	
	PERCENT INCREASE OVER BASELINE	0.0	0.1	0.3	2.4	4.0	3.9	2.0	0.6	0.1	0.0	0.0	0.0	0.0		PERCENT INCREASE OVER BASELINE	0.0	0.1	0.3	2.4	4.0	3.9	2.0	0.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0
HARTLEY	BASELINE	1157	1182	1207	1233	1258	1283	1309	1334	1359	1385	1410	1435	1461		BASELINE	1157	1182	1207	1233	1258	1283	1309	1334	1359	1385	1410	1435	1461		
	WITH M-X	1157	1183	1412	2227	3003	3314	3645	4078	4313	4562	4826	5098	5377		WITH M-X	1157	1183	1412	2227	3003	3314	3645	4078	4313	4562	4826	5098	5377		
	DIFFERENCE	0	1	205	1476	1745	2031	2336	2744	2554	2777	2816	2963	2963		DIFFERENCE	0	1	205	1476	1745	2031	2336	2744	2554	2777	2816	2963	2963		
	PERCENT INCREASE OVER BASELINE	0.0	0.1	17.0	121.3	139.1	158.0	177.4	200.0	188.0	200.0	200.0	200.0	200.0		PERCENT INCREASE OVER BASELINE	0.0	0.1	17.0	121.3	139.1	158.0	177.4	200.0	188.0	200.0	200.0	200.0	200.0	200.0	200.0

Table 2.1-6. (Page 2 of 4)

HICKLEY															
BASLINE	9120	9170	9220	9271	9313	9335	9397	9439	9485	9539	9598	9657	9716	9771	9826
WITH M-X	9120	9175	9236	9400	9512	9680	9590	9486	9493	9539	9598	9657	9716	9771	9826
DIFFERENCE	0	5	16	129	199	315	-3.5	193	8	0	0	0	0	0	0
PERCENT INCREASE OVER BASELINE	0	0.1	0.2	1.4	2.1	3.3	-0.1	2.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
LAMB															
BASLINE	7127	7127	7127	7127	7115	7106	7098	7090	7082	7086	7086	7086	7086	7086	7086
WITH M-X	7127	7132	7142	7184	7227	7255	7208	7136	7090	7086	7086	7086	7086	7086	7086
DIFFERENCE	0	5	15	57	112	149	-110	-46	8	0	0	0	0	0	0
PERCENT INCREASE OVER BASELINE	0	0.1	0.2	0.8	1.6	2.1	-1.5	-0.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0
LUBBOCK															
BASLINE	100427	101859	103313	104781	105976	107185	108407	109642	110892	112150	113422	114708	116008	117318	118608
WITH M-X	100573	102271	104155	106875	109075	110602	111031	111186	111595	112664	113932	115218	116518	117818	119118
DIFFERENCE	146	412	842	2094	3099	3417	2624	1544	703	514	510	510	510	510	510
PERCENT INCREASE OVER BASELINE	0.1	0.4	0.8	2.0	2.9	3.2	2.4	1.4	0.6	0.5	0.4	0.4	0.4	0.4	0.4
MAYNE															
BASLINE	6083	6711	6738	6770	6802	6839	6875	6912	6949	6994	7040	7086	7132	7178	7224
WITH M-X	6083	6715	6748	6996	7575	8379	8743	8361	7876	7846	7890	7936	7982	8028	8074
DIFFERENCE	0	4	10	126	773	1340	1868	-1449	-927	-852	-890	-890	-850	-850	-850
PERCENT INCREASE OVER BASELINE	0	0.1	0.1	1.9	11.4	22.5	27.2	-21.0	-13.3	-12.2	-12.1	-12.0	-11.9	-11.9	-11.9
ONDAM															
BASLINE	248	895	861	867	879	892	904	917	932	948	966	983	1004	1024	1044
WITH M-X	840	896	963	873	890	925	972	972	944	949	966	983	1004	1024	1044
DIFFERENCE	0	1	2	6	11	33	68	35	12	1	0	0	0	0	0
PERCENT INCREASE OVER BASELINE	0	0.1	0.2	0.7	1.3	3.7	7.5	6.0	1.3	0.1	0.0	0.0	0.0	0.0	0.0
PARKER															
BASLINE	4223	4223	4223	4223	4227	4235	4244	4252	4264	4293	4326	4358	4391	4424	4457
WITH M-X	4223	4223	4311	5223	6082	4966	4276	4262	4266	4293	4326	4358	4391	4424	4457
DIFFERENCE	0	0	88	1000	1855	731	-32	10	2	0	0	0	0	0	0
PERCENT INCREASE OVER BASELINE	0	0	2.1	23.7	43.9	17.3	-0.8	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
POTTER/BRAUNZELL															
BASLINE	84373	85407	86461	87535	88548	89571	90615	91679	92763	93867	94992	96137	97302	98494	99702
WITH M-X	84422	85687	87062	89648	94320	98684	97360	97213	94703	95313	96630	97775	98940	100140	101310
DIFFERENCE	59	280	601	2113	3772	9113	-1345	-534	-2903	-1646	-1638	-1638	-1638	-1638	-1638
PERCENT INCREASE OVER BASELINE	0.1	0.3	0.7	2.4	6.5	10.2	-0.7	-0.6	-3.1	-1.8	-1.7	-1.7	-1.7	-1.7	-1.

Table 2.1-6. (Page 3 of 4)

CHAVES													
BASELINE	19502	19815	20136	20461	20749	21044	21343	21646	21952	22226	22500	22777	23058
WITH M-1	19517	19722	20284	20834	21475	22379	21817	21987	22137	22372	22644	22921	23202
DIFFERENCE	45	107	448	373	4068	1335	476	341	180	146	144	144	144
PERCENT INCREASE	0.2	0.5	2.2	11.6	17.3	6.3	2.0	1.6	0.8	0.7	0.6	0.6	0.6
OVER BASELINE													
CURRY													
BASELINE	14572	14619	14665	14713	14719	14725	14732	14739	14748	14719	14692	14665	14639
WITH M-1	16889	19052	24027	27993	29600	28634	26925	28079	23999	23615	23578	23531	23525
DIFFERENCE	2317	5233	9364	13281	14881	13909	14193	13340	9251	8896	8886	8886	8886
PERCENT INCREASE	15.9	35.8	63.9	90.3	101.1	94.5	96.3	90.5	62.7	60.4	60.3	60.6	60.7
OVER BASELINE													
DE BACA													
BASELINE	985	985	985	985	974	966	959	951	947	947	947	947	947
WITH M-1	985	1001	1024	1042	1005	988	984	964	949	947	947	947	947
DIFFERENCE	0	16	39	57	31	22	25	13	2	0	0	0	0
PERCENT INCREASE	0.0	1.6	4.0	5.8	3.2	2.3	2.6	1.4	0.2	0.0	0.0	0.0	0.0
OVER BASELINE													
HARDING													
BASELINE	523	513	503	498	484	474	464	454	444	424	404	384	364
WITH M-1	523	513	503	498	484	474	464	454	444	424	404	384	364
DIFFERENCE	0	0	0	0	0	0	0	0	0	0	0	0	0
PERCENT INCREASE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OVER BASELINE													
QUAY													
BASELINE	4796	4805	4813	4822	4813	4805	4796	4788	4783	4762	4745	4728	4711
WITH M-1	4796	4805	4813	4822	4813	4805	4796	4788	4783	4762	4745	4728	4711
DIFFERENCE	0	1052	2276	3001	703	265	171	62	9	0	0	0	0
PERCENT INCREASE	0.0	21.9	47.3	62.2	16.3	5.5	3.6	1.3	0.2	0.0	0.0	0.0	0.0
OVER BASELINE													
ROOSEVELT													
BASELINE	6465	6488	6511	6539	6566	6597	6628	6659	6694	6722	6753	6784	6813
WITH M-1	6604	6807	7325	9130	9483	9764	10158	8482	7207	7149	7173	7204	7235
DIFFERENCE	139	719	814	2611	2917	3167	3530	1823	513	427	420	420	420
PERCENT INCREASE	2.2	4.7	12.5	39.9	44.4	48.0	53.3	27.4	7.7	6.4	6.2	6.2	6.2
OVER BASELINE													
UNION													
BASELINE	2117	2110	2101	2097	2101	2110	2119	2127	2141	2141	2141	2141	2141
WITH M-1	2119	2111	2104	2110	2141	2188	2210	2174	2150	2142	2141	2141	2141
DIFFERENCE	0	1	7	13	40	78	91	47	9	1	0	0	0
PERCENT INCREASE	0.0	0.0	0.1	0.6	1.9	3.7	4.3	2.2	0.4	0.0	0.0	0.0	0.0
OVER BASELINE													

Table 2.1-4. (Continued)

TEAS 17 COUNTY TOTAL													
BASIS INF	25898	25874	26163	26473	26734	27030	27286	27559	27844	28157	28434	28729	290775
WTH M-F	25613	25514	26027	26321	26915	27132	27392	27885	28735	29059	29321	29632	299458
DIFFERENCE	285	360	136	152	819	1998	2994	674	1100	1098	1113	997	BA87
PERCENT INCREASE	0.1	0.3	0.5	0.5	3.0	7.3	10.5	2.4	4.1	3.7	3.1	3.0	BA87
OVER BASELINE	0.1	0.3	0.5	0.5	3.0	7.3	10.5	2.4	4.1	3.7	3.1	3.0	3.0
N.M. COUNTY TOTAL													
BASIS INF	4862	4935	4974	5014	5046	5072	5104	5136	5170	5194	5218	5242	52675
WTH M-F	5143	5023	5260	5166	5407	5223	5045	4706	4180	4111	4132	4176	42125
DIFFERENCE	281	72	286	152	339	853	599	430	990	883	114	246	2450
PERCENT INCREASE	5.1	1.5	5.7	3.0	6.7	16.8	11.7	9.5	23.7	21.4	2.7	5.8	2450
OVER BASELINE	5.1	1.5	5.7	3.0	6.7	16.8	11.7	9.5	23.7	21.4	2.7	5.8	17.9
DEPLOYMENT REGION TOTAL													
BASIS INF	30460	30819	31407	31787	32242	32721	33047	33462	33913	34398	34764	35033	357430
WTH M-F	30766	31337	32647	33586	34392	35085	35637	36251	36913	37470	37983	38403	391583
DIFFERENCE	306	548	1780	1809	1456	666	559	789	742	579	519	370	1413
PERCENT INCREASE	0.9	1.8	5.6	5.7	4.5	2.0	1.7	2.3	2.1	1.6	1.8	1.3	3.3
OVER BASELINE	0.9	1.8	5.6	5.7	4.5	2.0	1.7	2.3	2.1	1.6	1.8	1.3	3.3

SOURCE: HDB SCIENCES, 31-OCT-80

of baseline employment and less than 500 jobs during project construction and operations phases:

- o In Texas - Castro, Cochran, Hale, Hockley, Lamb, Oldham, Sherman, and Swisher counties; and
- o In New Mexico - Union County.

A number of counties proposed as DDA locations, although likely to experience significant boom-type employment stimulus during construction, would not experience long-run growth. These include Bailey, Deaf Smith, Parmer, Chaves, De Baca, Harding, and Quay counties. Of this set, only Chaves County is forecast to have a baseline employment level above 10,000 jobs by 1990. The remaining counties, smaller in size, would have little preexisting economic base to support the rapid M-X-related growth. Boom-bust conditions would create significant economic dislocation in these counties.

Much of this M-X-related growth would be concentrated in Curry County, New Mexico, where the larger operating base would be located. M-X employment there is forecast to peak at 14,900 jobs in 1988, which would double in the county's projected baseline employment, as Table 2.1-6 indicates. Employment of this magnitude would induce cumulative in-migration of up to 11,400 civilian workers into the county in 1986 (see Table 2.1-7), almost 75 percent of Curry County baseline civilian labor force in this year. Following a rapid build-up, M-X-related employment is forecast to decline, then stabilize at 8,900 jobs after 1990. This long-run level is 60 percent of long-run forecast baseline employment. Civilian labor out-migration occurs after 1987 and runs until about 1991. Long-run cumulative civilian in-migration would equal about 3,100 persons, over 20 percent of the 1990 baseline civilian labor force.

Curry County is projected by the University of New Mexico, Bureau of Business and Economic Research, to be a "no-growth" county through 1995. Growth induced by M-X would radically change this forecast. Because Cannon Air Force Base already is located in the county, much of the infrastructure needed to serve a major defense installation already is in place. M-X-related growth would expand this existing service and trade structure. The city of Clovis would be the focus of much of this growth, though additional employment growth would be exported to the nearby city of Portales, in Roosevelt County.

Dallam and Hartley counties would share in the economic expansion caused by locating the smaller operating base near Dalhart. Table 2.1-6 indicates that peak employment (by place of residence) in Dallam County is forecast to equal 6,600 jobs in 1988, an increase of nearly 300 percent of the baseline employment forecast. In Hartley County, peak employment (by place of residence) in 1988 of 7,300 jobs would be more than five times projected baseline employment. In both cases, boom-growth conditions would result: labor shortages, wage-price inflation, and, as Table 2.1-7 shows, very large in-migration of additional workers. Cumulative civilian labor in-migration peaks in Dallam County at 6,600 persons, about 270 percent of the county's baseline civilian labor force in 1988. It peaks at 5,200 workers one year earlier in Hartley County, and represents almost 400 percent of Hartley County's projected baseline civilian labor force. Rapid expansion of the service and trade sectors in the currently agriculture-based economy also would result.

Table 2.1-7. (Page 1 of 3)

CIVILIAN LABOR FORCE IMPACTS													
ALTERNATIVE 7: FULL DEPLOYMENT - TEXAS/NEW MEXICO (L)													
BASE I AT CLOVIS, NM (CURRY CO.)													
BASE II AT DALHART, TX (HARTLEY CO.)													
COUNTY	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
BAILLY													
BASELINE	3540	3549	3557	3570	3574	3583	3591	3600	3608	3613	3613	3613	3613
WITH M-X	3540	3549	3567	3592	4336	3242	4600	3753	3609	3613	3613	3613	3613
DIFFERENCE	0	0	10	422	962	1659	1009	153	1	0	0	0	0
PERCENT INCREASE													
OVER BASELINE	0	0	0	0	26.7	46.3	28.1	4.3	0.0	0.0	0.0	0.0	0.0
CASTRO													
BASELINE	4270	4286	4303	4323	4351	4383	4416	4448	4480	4521	4561	4602	4642
WITH M-X	4270	4286	4303	4339	4476	4568	4509	4475	4480	4521	4561	4602	4642
DIFFERENCE	0	0	0	16	125	185	93	27	0	0	0	0	0
PERCENT INCREASE													
OVER BASELINE	0	0	0	0	2.9	4.2	2.1	0.6	0.0	0.0	0.0	0.0	0.0
COCHRAN													
BASELINE	2184	2184	2184	2184	2184	2184	2184	2184	2184	2184	2213	2230	2247
WITH M-X	2184	2184	2184	2204	2227	2243	2219	2187	2184	2184	2213	2230	2247
DIFFERENCE	0	0	0	20	43	59	35	3	0	0	0	0	0
PERCENT INCREASE													
OVER BASELINE	0	0	0	0	0.9	2.0	2.7	1.6	0.1	0.0	0.0	0.0	0.0
DALLAM													
BASELINE	2313	2342	2369	2400	2423	2431	2478	2505	2535	2572	2613	2633	2644
WITH M-X	2315	2342	2395	2339	2320	2632	9082	7011	3998	3331	3228	3263	3304
DIFFERENCE	0	0	26	1139	2007	5181	6604	4506	1463	759	615	610	610
PERCENT INCREASE													
OVER BASELINE	0	0	0	0	9.5	21.4	266.5	179.9	57.7	29.5	23.5	23.0	22.6
DEAF SMITH													
BASELINE	8327	8387	8647	8711	8800	8894	8988	9082	9181	9287	9398	9509	9620
WITH M-X	8327	8387	8647	8824	9088	10138	11862	11297	9218	9287	9398	9509	9620
DIFFERENCE	0	0	0	113	288	1244	2874	2215	37	0	0	0	0
PERCENT INCREASE													
OVER BASELINE	0	0	0	1.3	3.3	14.0	32.0	24.4	0.4	0.0	0.0	0.0	0.0
DALE													
BASELINE	16679	16854	17034	17213	17393	17573	17757	17945	18129	18361	18593	18830	19071
WITH M-X	16679	16854	17034	17523	17945	18056	17902	17945	18129	18361	18593	18830	19071
DIFFERENCE	0	0	0	310	552	483	145	0	0	0	0	0	0
PERCENT INCREASE													
OVER BASELINE	0	0	0	0	3.2	2.7	0.8	0.0	0.0	0.0	0.0	0.0	0.0
HARTLEY													
BASELINE	1184	1212	1238	1264	1290	1316	1342	1368	1394	1420	1446	1472	1498
WITH M-X	1184	1213	1443	2620	3594	6525	5811	4318	2892	2832	2858	2894	2910
DIFFERENCE	0	1	205	1356	4104	5209	4469	2050	1498	1412	1412	1412	1412
PERCENT INCREASE													
OVER BASELINE	0	0	0	16.6	123.1	318.1	333.8	215.6	107.5	99.4	97.6	95.9	94.3
HOCKLEY													
BASELINE	9120	9170	9220	9271	9313	9355	9397	9439	9483	9532	9598	9637	9716
WITH M-X	9120	9175	9236	7400	9312	9600	9591	9486	9493	9532	9598	9637	9716
DIFFERENCE	0	5	16	179	197	325	191	47	0	0	0	0	0
PERCENT INCREASE													
OVER BASELINE	0	0	0	1.0	2.1	3.5	2.1	0.5	0.1	0.0	0.0	0.0	0.0

Table 2.1-7. (Page 2 of 3)

LAND	BASLINE	7127	7127	7127	7115	7106	7098	7090	7082	7086	7084	7086	7086
	WITH N-X	7127	7132	7184	7227	7235	7208	7136	7070	7086	7086	7086	7086
	DIFFERENCE	0	5	57	112	149	110	46	8	0	0	0	0
	PERCENT INCREASE OVER BASELINE	0.0	0.1	0.2	0.8	1.6	2.1	1.5	0.6	0.1	0.0	0.0	0.0
LUBBOCK	BASLINE	100437	101839	103313	104781	105976	107183	108407	109642	110892	112150	113422	114708
	WITH N-X	100573	102271	104155	106875	109075	110422	111031	111186	111595	112664	113932	115318
	DIFFERENCE	146	412	842	2094	3099	3417	2624	1544	703	514	510	510
	PERCENT INCREASE OVER BASELINE	0.1	0.4	0.8	2.0	2.9	3.2	2.4	1.4	0.6	0.5	0.4	0.4
MOORE	BASLINE	6683	6711	6738	6770	6802	6839	6875	6912	6949	6974	7040	7086
	WITH N-X	6683	6715	6748	6896	7075	7379	8243	9361	7876	7846	7820	7982
	DIFFERENCE	0	4	10	126	773	1540	1668	1449	827	852	850	850
	PERCENT INCREASE OVER BASELINE	0.0	0.1	0.1	1.9	11.4	22.5	27.2	21.0	13.3	12.2	12.1	11.9
OL DHAN	BASLINE	848	855	861	867	879	892	904	917	932	948	966	985
	WITH N-X	848	855	863	873	890	925	972	972	944	949	966	985
	DIFFERENCE	0	1	2	6	11	33	68	55	12	1	0	0
	PERCENT INCREASE OVER BASELINE	0.0	0.1	0.2	0.7	1.3	3.7	7.9	6.0	1.3	0.1	0.0	0.0
PARMER	BASLINE	4223	4223	4223	4223	4237	4239	4244	4252	4264	4293	4326	4391
	WITH N-X	4223	4223	4311	5223	6082	4966	4276	4262	4266	4293	4326	4391
	DIFFERENCE	0	0	88	1000	1855	731	72	10	2	0	0	0
	PERCENT INCREASE OVER BASELINE	0.0	0.0	2.1	23.7	43.9	17.3	0.8	0.2	0.0	0.0	0.0	0.0
POTTER/RANDALL	BASLINE	84373	85407	86461	87535	88548	89571	90615	91679	92763	93867	94992	96137
	WITH N-X	84472	85687	87062	88668	90320	91984	93660	95340	97035	98740	100450	102160
	DIFFERENCE	99	280	601	2133	3772	9113	8745	5534	2142	1646	1638	1638
	PERCENT INCREASE OVER BASELINE	0.1	0.3	0.7	2.4	6.5	10.2	9.7	6.0	2.3	1.8	1.7	1.7
SHERMAN	BASLINE	1472	1480	1488	1495	1503	1511	1518	1526	1538	1549	1563	1593
	WITH N-X	1472	1491	1490	1507	1522	1537	1555	1589	1618	1557	1563	1593
	DIFFERENCE	0	1	2	12	20	146	337	323	80	8	0	0
	PERCENT INCREASE OVER BASELINE	0.0	0.1	0.1	0.8	1.9	9.7	22.2	21.2	5.2	0.5	0.0	0.0
SWISHER	BASLINE	4544	4561	4578	4600	4630	4664	4698	4733	4767	4819	4870	4922
	WITH N-X	4544	4562	4593	4621	4683	4737	4753	4760	4772	4819	4870	4922
	DIFFERENCE	0	1	5	21	53	73	55	27	5	0	0	0
	PERCENT INCREASE OVER BASELINE	0.0	0.0	0.1	0.5	1.1	1.6	1.2	0.6	0.1	0.0	0.0	0.0
CHAVES	BASLINE	19502	19815	20136	20461	20747	21044	21343	21646	21932	22226	22500	22777
	WITH N-X	19545	19922	20304	20834	21372	21987	22619	23272	23937	24614	25300	25992
	DIFFERENCE	443	107	440	573	625	643	674	741	1005	146	144	144
	PERCENT INCREASE OVER BASELINE	0.2	0.5	2.2	11.6	19.3	6.3	2.7	1.6	0.8	0.7	0.6	0.6

Table 2.1-7. (Page 3 of 3)

CURRY	14572	14619	14665	14712	14719	14725	14732	14739	14748	14759	14692	14665	14639
BASELINE	16889	19852	24039	27993	29600	28634	28923	28079	23615	23378	23531	23525	23525
WITH M-X	2217	3223	9364	13281	14881	13909	14193	13340	9231	8876	8886	8886	8886
DIFFERENCE	15	35	8	63	9	90	3	101	1	94	5	96	3
PERCENT INCREASE	0	0	0	0	0	0	0	0	0	0	0	0	0
OVER BASELINE	0	0	0	0	0	0	0	0	0	0	0	0	0
DE BACA	985	985	985	985	974	966	959	951	947	947	947	947	947
BASELINE	985	1001	1024	1042	1005	988	984	964	949	947	947	947	947
WITH M-X	0	16	39	57	31	32	23	13	2	0	0	0	0
DIFFERENCE	0	0	0	0	0	0	0	0	0	0	0	0	0
PERCENT INCREASE	0	0	0	0	0	0	0	0	0	0	0	0	0
OVER BASELINE	0	0	0	0	0	0	0	0	0	0	0	0	0
HARDING	323	313	503	498	484	474	464	454	444	424	404	384	364
BASELINE	323	313	503	498	484	474	464	454	444	424	404	384	364
WITH M-X	0	0	0	0	0	0	0	0	0	0	0	0	0
DIFFERENCE	0	0	0	0	0	0	0	0	0	0	0	0	0
PERCENT INCREASE	0	0	0	0	0	0	0	0	0	0	0	0	0
OVER BASELINE	0	0	0	0	0	0	0	0	0	0	0	0	0
QUAY	4796	4805	4813	4822	4812	4805	4796	4788	4783	4762	4745	4728	4711
BASELINE	4796	4805	4813	4822	4812	4805	4796	4788	4783	4762	4745	4728	4711
WITH M-X	0	1032	2276	3001	783	265	171	62	9	0	0	0	0
DIFFERENCE	0	0	0	0	0	0	0	0	0	0	0	0	0
PERCENT INCREASE	0	0	0	0	0	0	0	0	0	0	0	0	0
OVER BASELINE	0	0	0	0	0	0	0	0	0	0	0	0	0
ROOSEVELT	6465	6488	6511	6539	6566	6597	6628	6659	6694	6722	6753	6784	6819
BASELINE	6465	6488	6511	6539	6566	6597	6628	6659	6694	6722	6753	6784	6819
WITH M-X	139	319	814	2611	2917	3167	3330	1823	513	427	420	420	420
DIFFERENCE	2	2	4	9	12	3	39	9	44	0	53	3	27
PERCENT INCREASE	0	0	0	0	0	0	0	0	0	0	0	0	0
OVER BASELINE	0	0	0	0	0	0	0	0	0	0	0	0	0
UNION	2119	2110	2101	2097	2101	2110	2119	2127	2141	2141	2141	2141	2141
BASELINE	2119	2110	2101	2097	2101	2110	2119	2127	2141	2141	2141	2141	2141
WITH M-X	0	1	3	13	40	78	91	47	9	1	0	0	0
DIFFERENCE	0	0	0	0	0	0	0	0	0	0	0	0	0
PERCENT INCREASE	0	0	0	0	0	0	0	0	0	0	0	0	0
OVER BASELINE	0	0	0	0	0	0	0	0	0	0	0	0	0
TEXAS 17-COUNTY TOTAL	255898	258774	261693	264673	267334	270030	272806	275599	278444	281437	284324	287629	290775
BASELINE	256143	259514	263827	273921	289145	301572	305092	298845	289735	290459	293221	296312	299438
WITH M-X	245	740	2174	9248	21811	31522	32286	23246	11291	9002	8697	8683	8683
DIFFERENCE	0	0	0	0	0	0	0	0	0	0	0	0	0
PERCENT INCREASE	0	0	0	0	0	0	0	0	0	0	0	0	0
OVER BASELINE	0	0	0	0	0	0	0	0	0	0	0	0	0
N M 7-COUNTY TOTAL	48962	49335	49714	50114	50406	50721	51041	51364	51709	51941	52182	52426	52675
BASELINE	51463	51663	52063	52660	53460	54460	55660	57060	58660	60460	62460	64660	67060
WITH M-X	2301	6728	12946	21551	24441	21512	19304	15742	9971	9470	9450	9450	9450
DIFFERENCE	5	1	13	6	26	0	43	0	48	5	42	4	38
PERCENT INCREASE	0	0	0	0	0	0	0	0	0	0	0	0	0
OVER BASELINE	0	0	0	0	0	0	0	0	0	0	0	0	0
DEPLOYMENT REGION TOTAL	304840	308109	311407	314787	317740	320771	323847	326943	330133	333398	336704	340055	343430
BASELINE	307606	315377	324497	334586	345992	358803	373037	388831	406321	425693	447187	470983	497333
WITH M-X	2746	7468	13000	30799	46332	33034	31790	38988	21262	18472	18147	18133	18133
DIFFERENCE	0	0	0	0	0	0	0	0	0	0	0	0	0
PERCENT INCREASE	0	0	0	0	0	0	0	0	0	0	0	0	0
OVER BASELINE	0	0	0	0	0	0	0	0	0	0	0	0	0

SOURCE: NMR SCIENCES, 31-OCT-80

Long-run employment impacts would be smaller. Table 2.1-6 indicates that 850 project jobs would be created over the long-term in Dallam County, with 4,800 M-X-related jobs generated in Hartley County. In the latter case this figure would represent more than a tripling of long-term projected baseline employment in the county, and cumulative civilian labor force in-migration in Hartley County stabilizes at 1,400 persons, about 100 percent of that county's baseline civilian labor force in 1994.

Five remaining counties in the ROI--Lubbock, Moore, Potter, Randall, and Roosevelt--are all forecast to receive large amounts of employment growth from M-X deployment. Lubbock County, with a very large preexisting economic base, would likely be able to assimilate peak employment of 3,400 jobs, since this represents only 3 percent of its baseline employment level of 107,200 jobs in 1987. Impacts in Potter/Randall counties are somewhat larger: peak employment of 9,100 jobs in Amarillo in 1987 would be 10 percent of the baseline forecast. Long run impacts would be about 2 percent of baseline employment. Cumulative labor in-migration in Potter/Randall counties over the 1982-1994 period would be about 1,100 persons, roughly 1 percent of their 1994 projected baseline labor force.

However, Roosevelt and Moore counties comprise much smaller economies, and peak M-X-related employment impacts of 3,500 jobs in Roosevelt County in 1988 would represent 50 percent of baseline employment. Up to this year, cumulative net civilian labor in-migration would equal 3,700 persons, over 50 percent of the county's projected baseline civilian labor force. M-X-related jobs in Moore County would peak at 1,900, 27 percent of its baseline for 1988. Neither county could accommodate such rapid, large-scale employment growth without some labor shortages, inflation and other boom-type stresses. Long-run growth impacts would be much smaller, but still would induce further industrial change and growth.

Demand, Supply, and Wage Escalation for Construction Crafts

At the time of peak construction (1987), some 16,000 people will be in the construction work force. This is a major construction effort, particularly in view of the limited labor supplies likely to be available in the immediate area. Examination of craft-specific labor demand and supply is important in order to anticipate specific problems and devise policies to mitigate them. The potential of labor shortages may exist for certain skills and in varying degrees. Concomitant with any important labor shortages will be pressure for local wage inflation which could linger in its impact for years. Anticipated shortages of supply in certain crafts may offer opportunities to upgrade local labor via training programs.

The analysis and data presented below are directed to the maximum impact case. That is to say, the focus is on supply and demand for the peak and near-peak construction labor demand years. M-X demand for construction labor by specific craft can be found in Table 2.1-8 for Texas/New Mexico full deployment. Craft-specific labor supply is derived from estimates of occupational employment in 1985 which are independently produced by each states' employment security agency in cooperation with and coordinated by the U.S. Department of Labor.¹ Occupation

¹See Texas Employment Commission, Job Scene 1985, Amarillo SMSA and New Mexico Employment Security Department, New Mexico Occupational Manpower Needs to 1985, and Unpublished Data.

Table 2.1-8

the 1990s, the number of people in the world who are illiterate has increased from 1.2 billion to 1.5 billion. The number of illiterate people in the world is projected to reach 1.7 billion by the year 2015. The number of illiterate people in the world is projected to reach 1.7 billion by the year 2015.

1. *Journal of the American Medical Association*, 1997; 277: 1033-1037.

Figure 1. The effect of the number of trials on the number of correct responses. The number of correct responses was significantly higher than the number of incorrect responses for all groups. The number of correct responses was significantly higher than the number of incorrect responses for all groups.

1. *Chlorophyll a* (Chl *a*) and *Chlorophyll b* (Chl *b*) were determined using the method of Lichtenthaler and Whistler (1973). The total chlorophyll content was determined using the method of Lichtenthaler and Whistler (1973). The total chlorophyll content was determined using the method of Lichtenthaler and Whistler (1973).

1. *Chlorophyll a* (Chl *a*)

1. *Journal of the American Medical Association*, 1997; 277: 1033-1038.

projections developed by the states are indicative of trends in occupational growth and are used in the same spirit in the analysis below.

Craft employment projections in column (1) reflect the totals of the entire state of New Mexico and portions of Texas while column (2) is restricted to 16 counties within the ROI. Columns (3) and (6) show the currently planned demand for labor by the M-X system. Columns (4), (5) (7), and (8) show the proportion of available labor that would be required by M-X construction.

Attention is directed to columns (7) and (8) which shown the maximum demand (1987) compared with expected employment for the two states combined (Col. 7) and for the smaller region (Col. 5). In the ROI, M-X requirements are large, with the exception of demand for restaurant workers, miscellaneous crafts, and carpenters.

In Table 2.1-9 the focus is on: 1) workers likely to be available for M-X employment by geographical zone, 2) specific crafts likely to be in short supply, 3) the magnitude of the shortage, and 4) where the short fall is likely to appear. In columns (1) through (4) are the estimated number and percent of craftsmen actually expected to be obtainable by M-X in the impact counties and the two-state area. These data are derived by assuming 10 percent of the total craft employment can be hired for M-X.

Only about one-third (32 percent) of the 14,400 workers demanded are likely to be available in the immediate region, compared to the Nevada/Utah case where two-thirds of the needed labor would be located in the ROI. In Texas/New Mexico only restaurant workers appear to be fully obtainable in the deployment area, but significant proportions of miscellaneous crafts (66 percent) are likely to be available locally, as well as about one-third of the necessary pipefitters, electricians, and carpenters. The most difficult local supply situations will exist for operating engineers (8 percent of requirements) and iron workers (15 percent of requirements).

Shifting focus to the states of Texas and New Mexico, columns (3) and (4), it appears that virtually all the required carpenters should be obtainable in the two-state area. To avoid double counting, the percent of requirements listed in column (4) is in addition to those in column (1). About 55 percent (7,950 workers) of all required craft labor may be obtainable in the two-state area, while the remaining 45 percent (6,450 workers) would have to be hired from outside the two states.

Crafts for which demand exceeds supply in the two-state area are evident in columns (5) and (6). Significant shortages of labor in both the impact region and the two-state area are anticipated for:

- o teamsters,
- o operating engineers,
- o laborers,
- o iron workers,
- o electricians, and
- o plumbers/pipefitters.

Most critical would be iron workers, where some 81 percent (830) would have to be recruited outside Texas/New Mexico. In addition, large absolute numbers of experienced teamsters (2,070), operating engineers (2,170) and laborers (960) would

Table 2.1-9. Craft specific construction labor availability in 1985 geographic zone, Texas/New Mexico, full deployment, peak M-X construction labor requirements, 1987 (person years).

LABOR CATEGORY	CRAFT LABOR AVAILABLE IN IMPACT COUNTIES ¹		CRAFT LABOR AVAILABLE IN TWO-STATE ² AREA		NET EXCESS ³ REQUIREMENTS OVER IMPACT AREA AND STATE AVAILABILITY		TOTAL DEFICIT BY M-X 1987
	NUMBER	% OF REQUIRED ⁴	NUMBER	% OF REQUIRED ⁴	NUMBER	% OF REQUIRED ⁴	NUMBER
Teamsters	650	18.2	860	24.0	2,068	57.8	3,378
Operating Engineers	250	8.0	700	22.4	2,170	69.6	3,120
Laborers	440	20.8	720	34.0	950	46.2	2,110
Iron Workers	150	14.7	40	3.9	820	81.3	1,310
Carpenters	480	39.0	780	64.8	0	0	1,260
Electricians	230	30.2	360	47.3	171	22.4	781
Pipefitters Plumbers	260	20.8	360	28.0	230	17.8	850
Misc. Crafts	580	65.5	1,330	140.0	0	0	900
Restaurant Workers	1,610	100.0	2,570	—	0	0	788
Total	4,660	32.4	7,720		6,436	44.7	14,400

¹Assumes 10 percent of craft supply is available for employment on project.

²Outside impact counties, i.e., balance of state, in New Mexico only.

³Mid-county region in Texas-New Mexico.

⁴Col. 1 = Col. 7

Col. 2 = Col. 7

Col. 3 = Col. 7

⁵Exclusive of contractor's staff

Source: HDR Sciences

likely be unobtainable in the two state area. Finally, a number of plumbers and pipefitters (400) and electricians (170) would be needed from the outside.

These estimates represent the maximum problem situation of 1987 peak project demand. Preceding and subsequent project construction years should provide substantially less difficulty and allow transition time to achieve employment targets.

Several conclusions can be drawn from this analysis:

- o The majority of required labor is likely to be unobtainable in the deployment region.
- o In-migration of construction workers would be dominated by teamsters, laborers, and operating engineers, unless there is an effort made to upgrade and train local people for these jobs. With appropriate training much of this potential in migration could probably be avoided.
- o Large numbers of iron workers, plumbers, pipefitters, and electricians are unavailable in the construction area. This situation is not unusual on large projects of almost any type and location. These craftsmen traditionally travel or move to jobs.
- o In contrast to Nevada/Utah, M-N, full deployment in Texas/New Mexico is likely to produce a much larger influx of immigrants to the deployment region with associated problems and dislocations. Combining this with the use of construction camps for housing workers is likely to result in a large number of immigrants without dependents who can be described as "travelers." These workers would temporarily live at the work site but travel home weekly or less often.

The existence of an excess labor demand means that if it is to be satisfied then there must be a corresponding increase in the quantity of labor supplied and an accompanying effect on wage rates. The relationship between excess labor demand, labor supply response and changing wage rates depends on the wage elasticity of labor supply. This analysis provides a menu of plausible coefficients to give some idea of the range of wage escalation possibilities. Each coefficient in this range is not equally probable. For example, teamsters are highly interchangeable between industries, and the skills are not difficult to learn compared to many other construction crafts (e.g., pipefitters). Consequently, it is expected that teamsters would display a higher elasticity (more flexibility) of supply than pipefitters.

Table 2.1.10 sets forth the estimated excess demand for various crafts (from Table 2.1.9), their current wage rates, and estimates of a range of possible escalated wage rates under several possible supply elasticity conditions. It is clear that the pressure on wages will be heavy for iron workers and operating engineers, but considerably smaller pressure will exist for teamsters, pipefitters, laborers and electricians. It is well to point out that wage increases in one craft cannot be considered in total isolation from wages in other crafts since considerable efforts are made by the craft unions to maintain traditional wage relationships. However, no such interaction is built into the present estimates. Also, it should again be emphasized that the potential wage escalations in columns (4) through (6), may

Table 2.1-10. Estimates of wage escalation¹ due to M-X-related excess peak labor demands,² selected construction crafts, Texas/New Mexico, full deployment.

CRAFTS	1987 EXCESS DEMAND		MEAN WAGE RATE ³	ESTIMATED DEMAND ESCALATED WAGE RATES (Dollars/hr.) ⁴		
				SELECTED LABOR SUPPLY ELASTICITY COEFFICIENTS ⁵		
	NUMBER	PERCENT	(Dollar/hr.)	0.5	1.0	1.5
Teamsters	2,068	13.7	\$ 9.96	\$12.69	\$11.32	\$10.87
Operating Engineers	2,170	22.8	12.00	17.47	14.74	13.82
Iron Workers	829	43.6	13.16	24.63	18.90	16.99
Pipefitters Plumbers	239	3.9	13.43	14.47	13.95	13.78
Laborers	959	8.2	9.01	10.49	9.75	9.51
Electricians	171	2.9	14.23	15.06	14.64	14.5

3960

¹1980 dollars; no adjustment is made for the background rate of inflation nor cyclical fluctuations in general business conditions.

²Excess demand is the amount by which M-X direct construction employment exceed 110 percent of the 1985 projected occupational employment in the two-state area.

³Wage rate is the mean union money wage plus estimated fringe benefits of several two-state metropolitan areas in effect in first half of 1980. Wage may also take the form of per diem, travel subsistence allowances and scheduled overtime work.

⁴Elasticity is the proportionate rate of change of wages relative to a given proportionate rate of change in labor demand supply. Elasticity coefficient equals percent change in labor supply divided by percent change in wages.

Source: HBE Sciences.

appear in a variety of forms (travel and living allowances, for example) and not just as increases in the workers' hourly wage rate.

By comparison to Nevada/Utah full deployment, the affected crafts and the degree of excess demand is somewhat larger for the Texas/New Mexico option. The major difference is the much larger excess demand for teamsters in Texas/New Mexico.

Split Deployment

The split deployment alternative (Alternative 8) locates an operating base at Coyote Spring, Nevada, and half of the M-X system's 200 missiles in the Nevada/Utah region. The second operating base would be located near Clovis, in Curry County, New Mexico, with the remaining 100 missiles deployed in the Texas/New Mexico region. In Texas/New Mexico, the deployed missile force would be split into a 35-65 configuration -- 35 of the missiles located in Texas, and 65 in New Mexico. Compared to full deployment in Texas/New Mexico, therefore, this alternative would result in minimal impacts in some ROI counties, while effects at the regional level would be nearly halved in magnitude. New Mexico would experience most of the employment growth associated with this alternative, since most DDA facilities and the region's operating base are located in the state. Figure 2.1-4 displays the location of key project facilities for this deployment option.

Direct Employment

Table 2.1-11 present direct labor requirements for the split basing configuration in Texas/New Mexico. As shown in the table, peak construction labor demands would reach about 9,400 jobs in 1987, approximately 60 percent of requirements under full deployment. Construction workers would be based at seven construction camps, with employment levels at each as given in Table 2.1-12. Each camp would be active for three years.

Peak assembly and checkout labor requirements of 3,700 persons under split basing also would be 60 percent of full deployment demand. Table 2.1-13 displays A & CO personnel needs of the system at each of the camps and at the base. The table also displays system operations personnel estimates. Base operations would begin in 1985, one year later than under full deployment. The base would be fully operational by 1989, with a base staffing level of 6,100 persons, about 46 percent of operational requirements for the region under full deployment.

Indirect and Total M-X Related Employment

Table 2.1-14 adds to these estimates of direct employment projections of indirect and total M-X-related employment in the ROI with split deployment. In general, employment impacts would be about one-half of that forecast under full deployment. Peak total employment would be about 28,700 jobs in 1987, 53 percent of the peak under full employment. This peak estimate would be about 9 percent of projected ROI baseline employment in that year.

Over the long run, total employment would stabilize at about 8,800 jobs, 70 percent of which would be direct operating base jobs. This long-term figure is only about 3 percent of the region's projected baseline employment, and would not be expected to product major impacts at the regional level.

Table 2.1-11. Total direct personnel requirements, split deployment, Texas/New Mexico.

DESCRIPTION	PERSONNEL									
	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
Construction										
DDA ¹			100	1,950	6,750	8,150	6,800	2,650		
Second OB complex ²		300	1,850	2,400	2,000	1,200				
Subtotal		300	1,950	4,350	8,750	9,350	6,800	2,650		
A & CO										
DDA ¹				400	850	1,500	2,200	2,150	50	
Second OB complex ²		250	700	1,350	2,150	2,150	2,100	2,000	50	
Subtotal		250	700	1,750	3,000	3,650	4,300	4,150	100	
Operations										
Second OB complex ²				1,250	2,400	3,700	4,850	6,050	6,050	6,050
TOTAL		550	2,650	7,350	14,150	16,700	15,950	12,850	6,150	6,050

3565 - 3

¹DDA includes PS, ASC, DTN, CMF, RSS, and CR.

²Second OB complex includes OB, DAA, and airfield.

Table 2.1-12. Employment requirements for construction of DDA and base facilities, split deployment, Texas/New Mexico.

CAMI NUMBER ¹	CONSTRUCTION								
	1982	1983	1984	1985	1986	1987	1988	1989	1990
1			100	1,200	1,950				
2				450	1,850	1,750			
3					700	2,000	1,500		
4						450	2,100	1,250	
5				300	1,900	1,900			
6					350	1,950	1,500		
7						100	1,700	1,400	
Subtotal			100	1,950	6,750	8,150	6,800	2,650	
OB/DAA		300	1,850	2,400	2,000	1,200			
Total		300	1,950	4,350	8,750	9,350	6,800	2,650	

3566-1

¹See Figure 2.1-4.

Source: HDS Sciences, with approval of U.S. Air Force, Ballistic Missile Office.

Table 2.1-13. Employment requirements for assembly and checkout and operations, split deployment, Texas/New Mexico.

JAN. NUMBER AND EMPLOY- MENT TYPE	A & CO AND OPERATIONS PERSONNEL								
	196.	19.	1980	198	198	19.	19.	19.	19.
1				40	40				
2					10	50	30		
3						17	500	400	
4							37	700	
5					200	500	22		
6						17	500	400	
7							16	650	50
Subtotal				400	850	1,500	2,200	2,150	50
OB/DA		250	700	1,350	2,150	2,150	2,100	2,000	50
Total A & CO		250	700	1,750	3,000	3,650	4,300	4,150	100
Operations									
Officer				100	200	300	400	500	500
Enlisted				950	1,850	2,850	3,700	4,650	4,650
Civilian				200	350	550	750	900	900
Total Operations				1,250	2,400	3,700	4,850	6,050	6,050

3507-1

See Figure 2.1-4.

Sources: HDE Sciences; U.S. Air Force, Ballistic Missile Office; and Strategic Air Command.

Table 2. 1-1-1.

M-X RELATED SYSTEM EMPLOYMENT BY PLACE OF EMPLOYMENT, IN DEPLOYMENT REGION

ALTERNATIVE B8 SPLIT DEPLOYMENT (35/65)-TEXAS/NEW MEXICO
SPLIT BASE 11 AT CLOVIS, NM (CURRY CO.)

[illegible]

TOTAL CIVILIAN M-I RELATED EMPLOYMENT, AVAILABLE RESIDENT LABOR FORCE,
AND NET CIVILIAN LABOR FORCE IMPACT BY PLACE OF RESIDENCE
FOR DEPLOYMENT REGION

ALTERNATIVE BD SPLIT DEPLOYMENT (35/65)-TEXAS/NEW MEXICO
SPLIT DATE 11 AT CLOVIS, NM (CUNIFF CO.)

[illegible]

Regional Labor Force Impacts

Civilian labor force in-migration into the Texas/New Mexico ROI under split deployment would be about half of the in-migration projected under full deployment. Table 2.1-15 presents estimates of cumulative net civilian labor force in-migration. Peak cumulative civilian in-migration could be as much as 25,000 persons in 1987, about 8 percent of the region's baseline civilian labor force in that year. This peak is about half of peak civilian labor in-migration under full deployment. Net out-migration would occur after 1987, and would continue through 1994. The civilian labor force in the ROI would be about 2,900 persons larger in the long run with split deployment of M-X than under baseline conditions.

County-Level Effects

Only Curry County would receive dramatic employment stimulus over the entire life of the project, the result of building and operating the regional M-X base in the county. Over the long run, the only other counties projected to experience M-X related employment growth are those near the operating base and those with large enough economies to serve as regional trade centers for base procurement and employee consumption demands. These counties include Lubbock, Potter, Randall, Chaves, and Roosevelt. Short-term employment impacts in these counties are projected to be large as well. Table 2.1-16 presents a summary of county-level employment impacts by place of residence, both in absolute numbers and relative projections of employment under baseline conditions.

Curry County's employment under this alternative is about the same as for Alternative 7. Peak employment of 12,700 in 1989 would be almost 90 percent of the projected baseline figure. Short-run, boom-type growth would result. About 7,400 jobs would be created on a long-term basis, approximately 60 percent of projected baseline employment in the county. These estimates are slightly less than the employment growth projected with full deployment in the region, but growth of this magnitude would have the same significant consequences for the local economy as full deployment.

Table 2.1-17 presents estimates of civilian labor force impacts for each county in the ROI. It indicates that most counties in the Texas/New Mexico ROI would experience only minimal impacts under split deployment. This is the result of half of the system's DDA and base facilities being located outside the region. Only Curry County is forecast to experience civilian in-migration lasting more than a few years. The net increase in civilian labor force in Curry County is projected at 2,500 persons, 80 percent of long-run cumulative net civilian in-migration in the county with full deployment.

Demand, Supply, and Wage Escalation for Construction Crafts

Tables 2.1-18 through 2.1-20 present estimates of the M-X construction labor demand, supply, and wage escalation for split deployment in Texas/New Mexico. These effects would be similar in direction but much smaller in magnitude than for full deployment in the region.

Table 2.1-16. (Page 1 of 4) EMPLOYMENT IMPACTS (BY PLACE OF RESIDENCE, INCLUDING MILITARY)

ALTERNATIVE B3 SPLIT DEPLOYMENT (35/65)-TEXAS/NEW MEXICO
SPLIT BASE 1: AT CLOVIS, NM (COURRY CO.)

COUNTY	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
BAILEY	BASELINE	3423	3432	3440	3452	3456	3465	3473	3481	3489	3493	3493	3493
	WITH M-X	3423	3432	3440	3456	3477	3503	3510	3500	3493	3493	3493	3493
	DIFFERENCE	0	0	0	4	21	38	37	19	4	0	0	0
	PERCENT INCREASE OVER BASELINE	0.0	0.0	0.0	0.1	0.6	1.1	1.1	0.5	0.1	0.0	0.0	0.0
CASTRO	BASELINE	4104	4119	4135	4154	4181	4212	4244	4275	4306	4344	4422	4461
	WITH M-X	4104	4119	4135	4156	4193	4235	4278	4300	4312	4344	4422	4461
	DIFFERENCE	0	0	0	2	12	23	34	25	6	0	0	0
	PERCENT INCREASE OVER BASELINE	0.0	0.0	0.0	0.0	0.3	0.5	0.8	0.6	0.1	0.0	0.0	0.0
COCHRAN	BASELINE	2092	2092	2092	2092	2092	2092	2092	2092	2092	2104	2120	2137
	WITH M-X	2092	2092	2092	2097	2114	2121	2111	2101	2094	2104	2120	2137
	DIFFERENCE	0	0	0	5	22	29	19	9	2	0	0	0
	PERCENT INCREASE OVER BASELINE	0.0	0.0	0.0	0.2	1.1	1.4	0.9	0.4	0.1	0.0	0.0	0.0
DALLAM	BASELINE	2234	2260	2286	2316	2339	2365	2391	2417	2446	2482	2521	2560
	WITH M-X	2234	2260	2286	2332	2557	3179	4108	4007	2552	2485	2521	2560
	DIFFERENCE	0	0	0	16	218	814	1717	1590	106	3	0	0
	PERCENT INCREASE OVER BASELINE	0.0	0.0	0.0	0.7	9.3	34.4	71.8	65.8	4.3	0.1	0.0	0.0
DEAF SMITH	BASELINE	8126	8183	8240	8301	8387	8476	8566	8655	8749	8851	8957	9168
	WITH M-X	8126	8183	8294	9360	9971	8626	8781	8823	8785	8853	8957	9168
	DIFFERENCE	0	0	54	1059	1584	150	215	168	36	2	0	0
	PERCENT INCREASE OVER BASELINE	0.0	0.0	0.7	12.8	18.9	1.8	2.5	1.9	0.4	0.0	0.0	0.0
HALE	BASELINE	15945	16113	16284	16456	16628	16799	16975	17155	17331	17553	17775	18001
	WITH M-X	15945	16113	16285	16472	16690	16897	17076	17215	17343	17553	17775	18001
	DIFFERENCE	0	0	1	16	62	98	101	60	12	0	0	0
	PERCENT INCREASE OVER BASELINE	0.0	0.0	0.0	0.1	0.4	0.6	0.6	0.3	0.1	0.0	0.0	0.0
HARTLEY	BASELINE	1157	1182	1207	1233	1258	1283	1309	1334	1359	1385	1410	1435
	WITH M-X	1157	1182	1207	1246	1539	2666	3133	2173	1396	1389	1410	1435
	DIFFERENCE	0	0	0	13	281	1383	1824	839	37	4	0	0
	PERCENT INCREASE OVER BASELINE	0.0	0.0	0.0	1.1	22.3	107.8	139.3	62.9	2.7	0.3	0.0	0.0
HUCKLEY													

Table 2.1-16. (Page 3 of 4)

BASELINE WITH M-X DIFFERENCE PERCENT INCREASE OVER BASELINE	19502	19815	20136	20461	20749	21044	21343	21646	21952	22226	22500	22777	23058
	19545	19907	20318	21076	21760	22004	24230	23958	22141	22370	22642	22919	23200
	43	92	182	615	1011	960	2887	2312	189	144	142	142	142
	0.2	0.5	0.9	3.0	4.9	4.6	13.5	10.7	0.9	0.6	0.6	0.6	0.6
CURRY	14572	14619	14665	14712	14719	14725	14732	14739	14748	14719	14692	14665	14639
	14993	14681	19319	23130	26000	27373	27104	27441	23951	22446	22113	22079	22053
	421	1462	4654	9418	11281	12648	12372	12702	9203	7777	7421	7414	7414
	2.9	10.0	31.7	57.2	76.6	85.9	84.0	86.2	62.4	52.5	50.5	50.6	50.6
DE BACA	980	985	985	985	974	966	959	951	947	947	947	947	947
	980	985	985	987	991	1010	1005	969	950	947	947	947	947
	0	0	0	2	17	44	46	18	3	0	0	0	0
	0.0	0.0	0.0	0.2	1.7	4.6	4.8	1.9	0.3	0.0	0.0	0.0	0.0
HARDING	523	513	503	498	484	474	464	454	444	424	404	384	364
	523	513	503	810	2661	3050	861	459	445	424	404	384	364
	0	0	0	312	2177	2576	397	5	1	0	0	0	0
	0.0	0.0	0.0	62.7	449.8	543.5	80.6	1.1	0.2	0.0	0.0	0.0	0.0
JAY	4796	4805	4813	4842	4813	4805	4796	4788	4783	4762	4745	4728	4711
	4796	4805	4813	5302	7022	7450	5328	4879	4797	4762	4745	4728	4711
	0	0	0	480	2209	2645	533	91	14	0	0	0	0
	0.0	0.0	0.0	10.0	45.9	55.0	11.1	1.9	0.3	0.0	0.0	0.0	0.0
ROOSEVELT	6465	6488	6511	6509	6566	6597	6628	6659	6694	6722	6753	6784	6815
	6528	6773	6992	7175	8127	9682	9440	7763	7175	7140	7166	7177	7128
	133	265	481	636	1561	3085	2812	1104	481	418	413	413	413
	2.1	4.4	7.4	9.7	23.8	46.8	42.4	16.6	7.2	6.2	6.1	6.1	6.1
UNION	2119	2110	2101	2097	2101	2110	2119	2127	2141	2141	2141	2141	2141
	2119	2110	2101	2099	2114	2136	2172	2179	2154	2142	2141	2141	2141
	0	0	0	2	13	26	53	52	13	1	0	0	0
	0.0	0.0	0.0	0.1	0.6	1.2	2.5	2.4	0.6	0.0	0.0	0.0	0.0
TEXAS 17-COUNTY TOTAL	255898	258774	261693	264673	267334	270050	272806	275597	278444	281457	284524	287629	290775
	256103	259275	262645	267861	273429	276741	281650	281923	279965	283306	285352	288457	291603
	200	201	201	210	209	209	209	209	209	209	209	209	209
	0.1	0.1	0.1	0.1	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
TARRANT COUNTY TOTAL	45940	47335	47714	50114	50426	50721	51041	51364	51709	51941	52182	52426	52675
	45559	51174	50631	49579	68675	72705	76140	67648	61613	62731	60158	60374	60648
	597	1830	5317	10465	18269	21984	19099	16284	9804	8260	7976	7969	7969
	1.2	3.7	10.7	26.9	36.2	43.3	37.4	31.7	19.2	16.0	15.3	15.2	15.1

Table 2.1-10. (Page 4 of 4)

EMPLOYMENT REGION TOTAL	304860	308109	311407	314787	317740	320771	323847	326963	370153	333398	336706	340055	343450
BASLINE	305692	310449	317697	323440	342104	349446	351790	349571	341578	342536	345510	348852	352247
WITH W-4	827	2740	6270	13653	24764	28675	27943	22608	11425	9138	8804	8797	8797
DIFFERENCE	0.3	0.8	2.0	4.3	7.7	8.9	8.6	6.9	3.5	2.7	2.6	2.6	2.6
PERCENT INCREASE													
OVER BASLINE													
SOURCE: HQR SCIENCES, 31-OCT-80													

Table 2.1-17. Page 4 of 4

DEPLOYMENT REGION TOTAL													
BASELINE													
WITH M-1													
DIFFERENCE													
PERCENT INCREASE													
OVER BASELINE													
SOURCE	317504	321044	324484	328028	331072	334033	337435	340482	344002	347279	350801	354307	357829
	317504	321044	324484	328028	331072	334033	337435	340482	344002	347279	350801	354307	357829
	0.0	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4
	0.1	0.4	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3.0	3.3	3.6
	0.1	0.4	0.6	0.9	1.2	1.5	1.8	2.1	2.4	2.7	3.0	3.3	3.6

Table 2.1-18. Projected employment and M-X-related direct construction labor demand by craft, Texas/New Mexico, split deployment, peak demand years, 1985 and 1987.

LABOR CATEGORY	PROJECTED TWO-STATE ¹ EMPLOYMENT 1985	PROJECTED REGIONAL ² EMPLOYMENT 1985	M-X CON- STRUCTION LABOR DEMAND 1985	M-X LABOR UTILIZATION PERCENT 1985		PEAK M-X CONSTRUCTION LABOR DEMAND 1987	M-X LABOR UTILIZATION PERCENT 1987	
				STATES ^{1,8}	REGION ^{2,9}		STATES ^{1,10}	REGION ^{2,11}
Teamsters	15,100	6,500	1,141	7.6	17.6	2,285	15.1	35.2
Operating Engineers	9,500	2,500	995	10.5	39.8	1,994	21.0	79.8
Laborers	11,600	4,400	667	5.6	15.2	1,332	11.6	30.3
Iron Workers	1,900	1,500	323	17.0	21.5	642	33.8	42.8
Carpenters	12,600	4,800	373	3.0	7.8	750	6.0	15.6
Electricians	5,900	2,300	237	4.0	10.3	476	8.1	20.7
Pipefitters/Plumbers	6,200	2,600	278	4.5	10.7	541	10.4	20.8
Misc. Crafts	19,200	5,900	283	1.5	4.8	565	2.9	9.6
Restaurant Workers	41,000	16,100	253	0.6	1.6	505	1.2	3.1

3967

¹Statewide for New Mexico, 10-county impact region in Texas.

²16 total counties in two-state area impact region.

³All truck drivers.

⁴Bulldozer, grader and excavating equipment operators.

⁵Journeyman and helpers.

⁶Craftsmen N.E.C.

⁷All food service workers.

⁸Col. 1 Col. 1

⁹Col. 1 Col. 2

¹⁰Col. 6 Col. 1

¹¹Col. 6 Col. 2

Source: HDR Sciences.

Table 2.1-19. Craft specific construction labor availability in 1985 by geographic zone, Texas/New Mexico split deployment, peak construction labor requirements year, 1987 (person years).

LABOR CATEGORY	CRAFT LABOR AVAILABLE ¹ IN IMPACT COUNTIES ²		CRAFT LABOR AVAILABLE ³ IN TWO-STATE ⁴ AREA		NET EXCESS OF REQUIRED LABOR OVER IMPACT COUNTY AND STATE AVAILABILITY ⁵		TOTAL REQUIRED BY M-X
	NUMBER	% OF REQUIRED ⁶	NUMBER	% OF REQUIRED ⁶	NUMBER	% OF REQUIRED ⁶	NUMBER
Teamsters	650	28.4	860	37.6	775	33.9	2,285
Operating Engineers	250	12.5	700	35.1	1,044	52.4	1,994
Laborers	440	33.0	720	54.1	172	12.9	1,332
Iron Workers	150	23.3	45	6.2	452	70.4	642
Carpenters	480	64.0	780	100.0	0	—	750
Electricians	230	48.3	360	75.6	0	—	476
Pipefitters-Plumbers	260	48.1	360	66.5	0	—	541
Misc. Crafts	590	100.0	1,330	—	0	—	564
Restaurant Workers	1,610	100.0	2,570	—	0	—	505
Total	3,530	38.8			2,443	26.9	9,090 ⁷

3068

¹ Assumes 10 percent of craft supply is available for employment on project.

² Includes impact counties in Texas; balance of states in New Mexico only.

³ Includes counties in Texas-New Mexico.

⁴ Includes all states.

⁵ Includes all states.

⁶ Includes all states.

⁷ Excludes all contract craft.

Source: BWR Corporation.

Table 2.1-20. Estimates of wage escalation¹ due to M-X-related excess peak labor demand,² selected construction crafts, Texas/New Mexico, split deployment.

CRAFTS	1987 EXCESS DEMAND		MEAN WAGE RATE ³ (Dollar/hr.)	ESTIMATED DEMAND ESCALATED WAGE RATES ⁴ (Dollars/hr.)		
				SELECTED LABOR SUPPLY ELASTICITY COEFFICIENTS ⁵		
	NUMBER ³	PERCENT ⁴		0.5	1.0	1.5
Teamsters	775	5.1	\$9.96	\$10.98	\$10.47	\$10.30
Operating Engineers	1,044	11.0	12.00	14.64	13.32	12.88
Iron Workers	452	23.8	13.16	19.42	16.29	15.25
Pipelitters/Plumbers	0	—	—	—	—	—
Laborers	172	1.5	9.01	9.28	9.15	9.10
Electricians	0	—	—	—	—	—

3969

¹1980 dollars, no adjustment is made for the background rate of inflation nor cyclical fluctuations in general business conditions.

²Excess demand is the amount by which M-X direct construction employment exceed 110 percent of the 1985 projected occupational employment in the two-state area.

³Wage rate is the mean union money wage plus estimated fringe benefits of several two-state metropolitan areas in effect in first half of 1980. Wage may also take the form of per diem, travel subsistence allowances and scheduled overtime work.

⁴Elasticity is the proportionate rate of change of wages relative to a given proportionate rate of change in labor demand/supply. Elasticity coefficient equals percent change in labor supply divided by percent change in wages.

Source: HDR Sciences

Mitigations

The extent and severity of economic dislocation resulting from these episodes of rapid, large-scale growth depend on the strategies adopted to mitigate the adverse effects of this growth. Mitigative strategies could center on project design changes, economic development planning, and implementation and planning assistance funds. With respect to project design changes, personnel required for the three area support centers (ASCs) could be based at locations other than operating bases as this study assumes. Roughly 300 persons per ASC would be required, as would local procurement for food and other supplies. Geographic dispersal of personnel would tend to redistribute the workers, their families, and their expenditures away from operating base communities, reducing stress on local labor markets and generating smaller-scale growth in other communities.

Introduction or increased usage of labor saving technologies for both construction and operations also could decrease labor demands. Long distance commuting programs rather than inducing workers to live in rural communities could serve much the same purpose, and could be particularly important during DDA construction. Alternatively, programs with direct incentives for construction workers to locate their families in metropolitan areas, e.g., Amarillo or Lubbock, also would minimize short run boom growth in rural counties experiencing DDA construction.

Economic development planning activities could include extensive federal, state, and local preplanning and impact aid assistance. Any local industrial expansion could be time-phased so as to "smooth-out" growth peaks, lessening chances of labor or materials shortages or rapid escalation of their prices. This could be particularly important where competition for resources arises between M-X and other projects. To meet initial demands, extensive importation of labor, and other resource inputs, as well as final goods, would reduce local market stress. Planning investments in industrial capacity consistent with long-run area needs, such as small scale business parks, or restaurants and motels, would lessen declines in project activity in the area. This is less appropriate in those rural areas where only technical facilities are planned where short-run adjustments such as importing goods and services may be a more appropriate way to cope with project needs. In these areas, no expansion of the local industrial base could reasonably be expected to supply the demands of the project, while overexpansion would lead to "bust-type" recession problems.

Local residents and businesses should also be made an integral part of community growth management planning. Job skill improvement seminars, information dissemination, worker relocation assistance, and contract negotiation classes, for example, coordinated by federal, state, and local manpower economic development specialists, would be required.

INCOME AND EARNINGS

Earnings impacts from deployment in Texas/New Mexico are closely related to employment effects, discussed above.

Full Deployment

Table 2.1-21 indicates that full deployment in Texas/New Mexico is projected to generate a net increase in earnings of as much as \$1.1 billion (fiscal year 1980 dollars) in 1987; then as project build-up is completed, earnings would decline and

Table 2.1-21.

RELATED FAMILIES, IN RELATION OF THE FOLLO WING IN DEVELOPING COUNTRIES

SOURCE OF EMISSION	1987	1988	1989	1990	1991	1992	1993	1994
CUSTOMER AND FIELD CONSTRUCTION, ASSEMBLY, AND MAINT.	0.0	31.2	94.1	315.9	461.6	565.0	472.3	190.5
BASE CONSTRUCTION								
ASSEMBLY AND CHECKOUT	18.4	77.6	99.0	110.9	156.9	140.1	116.7	91.4
OPERATIONS	0.0	0.0	17.6	34.5	70.7	107.1	145.2	183.2
ENGINEER	20.0	54.9	103.4	167.0	266.5	302.7	280.5	201.9
TOTAL	59.4	163.6	310.7	657.2	977.0	1095.7	1014.7	676.0
SOURCE FOR SCIENCE, J. NOV. 1993								

stabilize at \$246 million by 1993. At the peak, M-X-related earnings would represent growth equal to about 26 percent of the region's 1978 total earnings of \$4.3 billion (1980 dollars). Over the long run, the net increase in earnings would be about 6 percent of 1978 levels.

As noted in the employment analysis for Texas/New Mexico, the ROI is basically rural, and historically has exhibited modest economic growth. Metropolitan concentrations include Amarillo in Potter/Randall counties, Lubbock in Lubbock County, Clovis in Curry County, Portales in Roosevelt County, and Roswell in Chaves County. All of these cities except Roswell would be the focus of significant short- and long-run economic growth, supplying local procurement needs and meeting project worker demands. As analysis of M-X-related employment has shown, Roosevelt County would likely be most heavily impacted, given its relatively small preexisting economic base. In addition, many counties where DDA facilities would be constructed will be significantly impacted in the short run. These include Bailey, Deaf Smith, Parmer, Chaves, Harding and Quay counties, and earnings forecasts indicate all face the potential of rapid price inflation and temporary shortages of construction and final goods. Table 2.1-22 presents a summary of county level earnings growth resulting from M-X activities.

Curry County, proposed as a location of DDA facilities and the first operating base, would experience the largest absolute gain in earnings. Peak earnings are forecast to be \$255 million in 1986, about equal to total 1978 county earnings. The table indicates that following construction of DDA and base facilities, earnings would decline and stabilize at \$121.7 million by 1992. Earnings growth of this magnitude would significantly alter the size and nature of the county's economy; rapid wage and price inflation, changes in the county's occupational mix, and local shortages of supplier and finished goods would be likely. In the short run, roughly one-half of earnings growth results from DDA construction. Long-term earnings increases are the result of base operations.

Table 2.1-22 indicates that both Dallam and Hartley counties would share in economic expansion induced by DDA and operating base construction. But over the long run, most earnings growth (by place of work) would occur in Hartley County, a result of employment on the base. In the short run, the net increase in earnings would peak at \$182 million in Hartley in 1987, and at \$223 million in Dallam County in 1988. In both cases, growth over 1978 county total earnings would be extremely large. In Hartley, peak earnings would be 20 times 1978 earnings of \$9.1 million (1980 dollars), while in Dallam, peak earnings would equal about 490 percent of 1978 earnings of \$45.6 million (1980 dollars). In the counties' largely agricultural economies, boom growth would result from earnings of this magnitude.

Over the long run, earnings by place of work would decline in Dallam County to a projected level of \$4 million in 1993, about 9 percent of 1978 earnings. Hartley County, the operating base location, would experience long-run annual earnings equal to \$84 million, over 9 times 1978 total earnings. Long-run project-related earnings in Hartley County would induce significant economic dislocation and could completely reorient the county's economic structure toward trade and service industries.

Table 2.1-22. (Page 1 of 3)

W-X RELATED EARNINGS BY COUNTY IN WIND. IN MILLIONS OF FY 1990 DOLLARS

ALTERNATIVE 7: FULL DEPLETION OF TREASURY RESERVE (1.3)

BASE I AT CLOVIS, NM (COUNTRY 00)

BASE II AT DALHART, TX (HARTLEY 00)

COUNTY	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368	2369	2370	2371	2372	2373	2374	2375	2376	2377	2378	2379	2380	2381	2382	2383	2384	2385	2386	2387	2388	2389	2390	2391	2392	2393	2394	2395	2396	2397	2398	2399	2400	2401	2402	2403	2404	2405	2406	2407	2408	2409	2410	2411	2412	2413	2414	2415	2416	2417	2418	2419	2420	2421	2422	2423	2424	2425	2426	2427	2428	2429	2430	2431	2432	2433	2434	2435	2436	2437	2438	2439	2440	2441	2442	2443	2444	2445	2446	2447	2448	2449	2450	2451	2452	2453	2454	2455	2456	2457	2458	2459	2460	2461	2462	2463	2464	2465	2466	2467	2468	2469	2470	2471	2472	2473	2474	2475	2476	2477	2478	2479	2480	2481	2482	2483	2484	2485	2486	2487	2488	2489	2490	2491	2492	2493	2494	2495	2496	2497	2498	2499	2500	2501	2502	2503	2504	2505	2506	2507	2508	2509	2510	2511	2512	2513	2514	2515	2516	2517	2518	2519	2520	2521	2522	2523	2524	2525	2526	2527	2528	2529	2530	2531	2532	2533	2534	2535	2536	2537	2538	2539	2540	2541	2542	2543	2544	2545	2546	2547	2548	2549	2550	2551	2552	2553	2554	2555	2556	2557	2558	2559	2560	2561	2562	2563	2564	2565	2566	2567	2568	2569	2570	2571	2572	2573	2574	2575	2576	2577	2578	2579	2580	2581	2582	2583	2584	2585	2586	2587	2588	2589	2590	2591	2592	2593	2594	2595	2596	2597	2598	2599	2600	2601	2602	2603	2604	2605	2606	2607	2608	2609	2610	2611	2612	2613	2614	2615	2616	2617	2618	2619	2620	2621	2622	2623	2624	2625	2626	2627	2628	2629	2630	2631	2632	2633	2634	2635	2636	2637	2638	2639	2640	2641	2642	2643	2644	2645	2646	2647	2648	2649	2650	2651	2652	2653	2654	2655	2656	2657	2658	2659	2660	2661	2662	2663	2664	2665	2666	2667	2668	2669	2670	2671	2672	2673	2674	2675	2676	2677	2678	2679	2680	2681	2682	2683	2684	2685	2686	2687	2688	2689	2690	2691	2692	2693	2694	2695	2696	2697	2698	2699	2700	2701	2702	2703	2704	2705	2706	2707	2708	2709	2710	2711	2712	2713	2714	2715	2716	2717	2718	2719	2720	2721	2722	2723	2724	2725	2726	2727	2728	2729	2730	2731	2732	2733	2734	2735	2736	2737	2738	2739	2740	2741	2742	2743	2744	2745	2746	2747	2748	2749	2750	2751	2752	2753	2754	2755	2756	2757	2758	2759	2760	2761	2762	2763	2764	2765	2766	2767	2768	2769	2770	2771	2772	2773	2774	2775	2776	2777	2778	2779	2780	2781	2782	2783	2784	2785	2786	2787	2788	2789	2790	2791	2792	2793	2794	2795	2796	2797	2798	2799	2800	2801	2802	2803	2804	2805	2806	2807	2808	2809	2810	2811	2812	2813	2814	2815	2816	2817	2818	2819	2820	2821	2822	2823	2824	2825	2826	2827	2828	2829	2830	2831	2832	2833	2834	2835	2836	2837	2838	2839	2840	2841	2842	2843	2844	2845	2846	2847	2848	2849	2850	2851	2852	2853	2854	2855	2856	2857	2858	2859	2860	2861	2862	2863	2864	2865	2866	2867	2868	2869	2870	2871	2872	2873	2874	2875	2876	2877	2878	2879	2880	2881	2882	2883	2884	2885	2886	2887	2888	2889	2890	2891	2892	2893	2894	2895	2896	2897	2898	2899	2900	2901	2902	2903	2904	2905	2906	2907	2908	2909	2910	2911	2912	2913	2914	2915	2916	2917	2918	2919	2920	2921	2922	2923	2924	2925	2926	2927	2928	2929	2930	2931	2932	2933	2934	2935	2936	2937	2938	2939	2940	2941	2942	2943	2944	2945	2946	2947	2948	2949	2950	2951	2952	2953	2954	2955	2956	2957	2958	2959	2960	2961	2962	2963	2964	2965	2966	2967	2968	2969	2970	2971	2972	2973	2974	2975	2976	2977	2978	2979	2980	2981	2982	2983	2984	298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Table 2.1-22. (Page 2 of 3)

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Table 2.1-22. (Page 3 of 3).

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Split Deployment

Table 2.1-23 presents earnings impacts under split deployment. For the region as a whole, earnings are forecast to peak at \$610 million in 1987, roughly 15 percent of the region's 1978 total earnings of \$4.3 billion (1980 dollars), and about one-half peak earnings projected under Alternative 7, full deployment in Texas/New Mexico. Over the long run, M-X-related earnings would stabilize at almost \$120 million, roughly \$130 million less than long-run earnings forecast under Alternative 7.

Table 2.1-24 presents county level earnings forecast under the split deployment option. Base county and total ROI earnings are charted in Figure 2.1-5, and are compared to full-deployment earnings levels as well. Curry County would receive almost as much earnings stimulus as under full deployment (refer again to Table 2.1-22). The only non-base counties expected to receive long-run earnings growth are those with metropolitan areas, particularly Lubbock, Potter, Randall and Roosevelt counties. These counties also would experience significant earnings growth over the short run as well. Designated deployment area counties include Dallam, Deaf Smith, Hartley, Chaves, Harding and Quay, and all would undergo significant boom-type stress.

Curry County is forecast to receive virtually all long run earnings growth in the ROI under split deployment. The long-run M-X-related earnings figure of \$101 million in the county in 1992 is about 85 percent of the regional total in this year. Over the construction build-up phase, county earnings are forecast to peak at \$219 million, 85 percent of peak earnings forecast in Curry County under Alternative 7, for full deployment.

PUBLIC FINANCE

This section presents the aggregate revenue and expenditure estimates for all local governments (county, cities, school districts, special districts) within the Texas/New Mexico deployment region for Alternative 7 and the split deployment alternative. Education related effects are also presented separately as these effects constitute the major portion of the effects presented in the aggregate local government analysis. In addition, peak year and long-term capital expenditure requirements are presented.

Local governments in the deployment region are anticipated to experience varying levels of deficits through the early phases of the project. However, as the tax base expands and the temporary construction work force leaves the area, local government budget levels in the long term will begin to stabilize near balanced levels. Tables 2.1-25 and 2.1-26 present the aggregate expenditure and revenue levels of all local governments within a county area under the low baseline scenario (trend growth baseline) for Alternative 7 and the split deployment scenario.

Under Alternative 7, approximately 43.1 percent of the deployment region peak year expenditures attributable to M-X (\$62.5 million in 1987) can be accounted for by the county areas where operating bases are proposed (Curry, Dallam, and Hartley). Under the split deployment alternative, peak year expenditures are reduced to approximately \$35.4 million, 56.6 percent of the estimated levels under Alternative 7.

County areas are anticipated to experience little or no long-term growth due to M-X but those associated with DDA facility construction, would experience rapid

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Table 2.1-24. Page 1 of 33

M-1 RELATED EARNINGS BY COUNTY OF WORK. IN MILLIONS OF FY 1980 DOLLARS

AD-A095 773

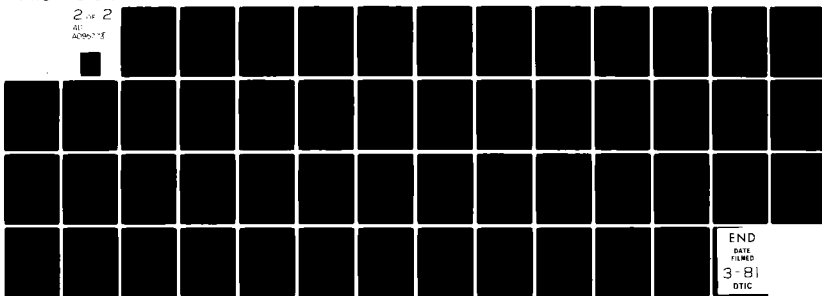
HENNINGSON DURHAM AND RICHARDSON SANTA BARBARA CA F/6 16/1
M-X ENVIRONMENTAL TECHNICAL REPORT. ALTERNATIVE POTENTIAL DEPLO--ETC(U)
DEC 80 F04704-78-C-0029
M-X-ETR-3 NL

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Table 2.1-24. (Page 2 of 3)

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Table 2.1-24. (Page 3 of 3)

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BASE COUNTY AND TOTAL ROI EARNINGS, TEXAS/NEW MEXICO

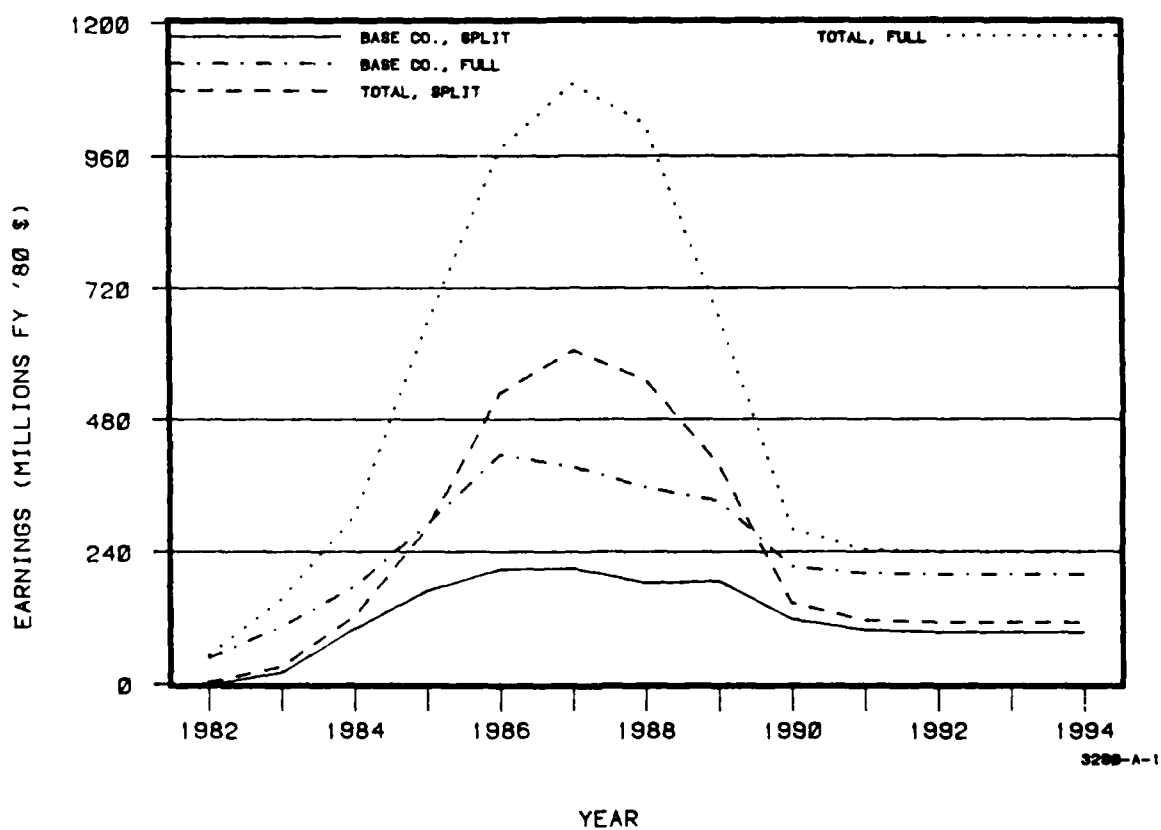


Figure 2.1-5.

Table 2.1-25. (Page 1 of 6)

LOCAL GOVERNMENT REVENUES, EXPENDITURES, AND NET IMPACTS (THOUSANDS FY 1980-9) (1) BASELINE LHM

ALTERNATIVE 7		1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
BAILLEY														
REVENUES														
WITHOUT MI	4332	4248	4283	4303	4313	4328	4343	4358	4373	4380	4390	4390	4390	4390
WITH MI	4252	4248	4271	4266	4293	4321	4343	4358	4373	4380	4390	4390	4390	4390
DIFFERENCE	0	0	8	401	780	1492	1082	283	29	0	0	0	0	0
PCT DIFF	0.00	0.00	0.13	6.34	12.36	23.60	17.03	4.48	0.46	0.01	0.00	0.00	0.00	0.00
EXPENDITURES														
WITHOUT MI	4242	4277	4292	4314	4322	4337	4352	4367	4382	4389	4399	4399	4399	4399
WITH MI	4242	4277	4304	4304	4324	4341	4354	4367	4382	4389	4399	4399	4399	4399
DIFFERENCE	0	0	14	370	934	1817	942	89	3	0	0	0	0	0
PCT DIFF	0.00	0.00	0.22	9.03	14.89	28.48	14.83	1.40	0.04	0.00	0.00	0.00	0.00	0.00
NET INDUCED														
NET IMPACT	0	0	-4	-149	-138	-224	140	196	26	1	0	0	0	0
CASTRO														
REVENUES														
WITHOUT MI	7934	7944	7994	8021	8084	8146	8204	8244	8284	8324	8399	8474	8549	8624
WITH MI	7934	7944	7994	8021	8084	8146	8204	8244	8284	8324	8399	8474	8549	8624
DIFFERENCE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PCT DIFF	0.00	0.00	0.00	0.16	0.13	0.13	0.11	0.07	0.17	0.00	0.00	0.00	0.00	0.00
EXPENDITURES														
WITHOUT MI	7945	7976	8004	8043	8096	8156	8216	8276	8336	8396	8412	8487	8542	8637
WITH MI	7945	7976	8004	8043	8096	8156	8216	8276	8336	8396	8412	8487	8542	8637
DIFFERENCE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PCT DIFF	0.00	0.00	0.00	0.29	0.29	0.24	0.44	0.49	0.00	0.00	0.00	0.00	0.00	0.00
NET INDUCED														
NET IMPACT	0	0	0	-10	-49	-50	39	32	13	0	0	0	0	0
COCHRAN														
REVENUES														
WITHOUT MI	3903	3903	3903	3903	3903	3903	3903	3903	3903	3903	3926	3934	3986	4014
WITH MI	3903	3903	3903	3919	3948	3974	3963	3934	3903	3903	3926	3934	3986	4014
DIFFERENCE	0	0	0	16	45	70	39	21	2	0	0	0	0	0
PCT DIFF	0.00	0.00	0.00	0.40	1.16	1.80	1.32	0.53	0.04	0.00	0.00	0.00	0.00	0.00
EXPENDITURES														
WITHOUT MI	3909	3909	3909	3909	3909	3909	3909	3909	3909	3909	3921	3941	3982	4032
WITH MI	3909	3909	3909	3926	3970	3970	3970	3970	3970	3970	3921	3941	3982	4032
DIFFERENCE	0	0	0	17	61	61	61	61	61	61	0	0	0	0
PCT DIFF	0.00	0.00	0.00	0.71	1.57	1.57	1.57	1.57	1.57	1.57	0.00	0.00	0.00	0.00
NET INDUCED														
NET IMPACT	0	0	0	-12	-16	-14	9	17	2	0	0	0	0	0
DALLAN														
REVENUES														
WITHOUT MI	4612	4644	4720	4780	4838	4881	4935	4989	5030	5050	5124	5205	5285	5366
WITH MI	4612	4644	4685	4780	4838	4881	4935	4989	5030	5050	5124	5205	5285	5366
DIFFERENCE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PCT DIFF	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EXPENDITURES														
WITHOUT MI	4811	4847	4922	4996	5035	5092	5148	5204	5267	5345	5429	5513	5597	5674
WITH MI	4811	4847	4922	4996	5035	5092	5148	5204	5267	5345	5429	5513	5597	5674
DIFFERENCE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PCT DIFF	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NET INDUCED														
NET IMPACT	0	0	0	-124	-700	-741	-284	-690	-635	-370	-179	-40	-40	-40

Table 2.1-25. (Page 2 of 6)

DEAF SMITH														
REVENUES	14989	15093	15200	15312	15470	15635	15800	15963	16128	16296	16463	16632	16801	16971
WITH M1	14989	15093	15200	15312	15470	15635	15800	15963	16128	16296	16463	16632	16801	16971
DIFFERENCE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PCT DIFF	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EXPENDITURES	15281	15388	15493	15610	15771	15939	16107	16276	16443	16612	16781	16950	17119	17289
WITH M1	15281	15388	15493	15610	15771	15939	16107	16276	16443	16612	16781	16950	17119	17289
DIFFERENCE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PCT DIFF	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M1 INDUCED	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NET IMPACT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MALE														
REVENUES	28583	28683	29191	29499	29806	30114	30429	30732	31047	31465	31883	32298	32681	33081
WITH M1	28583	28683	29191	29499	29806	30114	30429	30732	31047	31465	31883	32298	32681	33081
DIFFERENCE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PCT DIFF	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EXPENDITURES	28625	28725	29234	29542	29850	30158	30469	30777	31085	31393	31701	32009	32317	32625
WITH M1	28625	28725	29234	29542	29850	30158	30469	30777	31085	31393	31701	32009	32317	32625
DIFFERENCE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PCT DIFF	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M1 INDUCED	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NET IMPACT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MARTLEY														
REVENUES	1847	1868	1928	1969	2009	2050	2090	2131	2171	2212	2252	2293	2333	2373
WITH M1	1847	1868	1928	1969	2009	2050	2090	2131	2171	2212	2252	2293	2333	2373
DIFFERENCE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PCT DIFF	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EXPENDITURES	1847	1868	1928	1969	2009	2050	2090	2131	2171	2212	2252	2293	2333	2373
WITH M1	1847	1868	1928	1969	2009	2050	2090	2131	2171	2212	2252	2293	2333	2373
DIFFERENCE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PCT DIFF	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M1 INDUCED	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NET IMPACT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MOCKLEY														
REVENUES	16311	16401	16491	16581	16671	16761	16851	16941	17031	17121	17211	17301	17391	17481
WITH M1	16311	16401	16491	16581	16671	16761	16851	16941	17031	17121	17211	17301	17391	17481
DIFFERENCE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PCT DIFF	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EXPENDITURES	16334	16425	16515	16605	16695	16785	16875	16965	17055	17145	17235	17325	17415	17505
WITH M1	16334	16425	16515	16605	16695	16785	16875	16965	17055	17145	17235	17325	17415	17505
DIFFERENCE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PCT DIFF	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M1 INDUCED	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NET IMPACT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LAMB														
REVENUES	13040	13040	13040	13040	13040	13040	13040	13040	13040	13040	13040	13040	13040	13040
WITH M1	13040	13040	13040	13040	13040	13040	13040	13040	13040	13040	13040	13040	13040	13040
DIFFERENCE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PCT DIFF	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EXPENDITURES	13040	13040	13040	13040	13040	13040	13040	13040	13040	13040	13040	13040	13040	13040

Table 2.1-25. (Page 3 of 6)

13000		13001		13002		13003		13004		13005		13006		13007		13008		13009		13010		13011		13012		13013		13014		13015		13016		13017		13018		13019		13020		13021		13022		13023		13024		13025		13026		13027		13028		13029		13030		13031		13032		13033		13034		13035		13036		13037		13038		13039		13040		13041		13042		13043		13044		13045		13046		13047		13048		13049		13050		13051		13052		13053		13054		13055		13056		13057		13058		13059		13060		13061		13062		13063		13064		13065		13066		13067		13068		13069		13070		13071		13072		13073		13074		13075		13076		13077		13078		13079		13080		13081		13082		13083		13084		13085		13086		13087		13088		13089		13090		13091		13092		13093		13094		13095		13096		13097		13098		13099		13100		13101		13102		13103		13104		13105		13106		13107		13108		13109		13110		13111		13112		13113		13114		13115		13116		13117		13118		13119		13120		13121		13122		13123		13124		13125		13126		13127		13128		13129		13130		13131		13132		13133		13134		13135		13136		13137		13138		13139		13140		13141		13142		13143		13144		13145		13146		13147		13148		13149		13150		13151		13152		13153		13154		13155		13156		13157		13158		13159		13160		13161		13162		13163		13164		13165		13166		13167		13168		13169		13170		13171		13172		13173		13174		13175		13176		13177		13178		13179		13180		13181		13182		13183		13184		13185		13186		13187		13188		13189		13190		13191		13192		13193		13194		13195		13196		13197		13198		13199		13200		13201		13202		13203		13204		13205		13206		13207		13208		13209		13210		13211		13212		13213		13214		13215		13216		13217		13218		13219		13220		13221		13222		13223		13224		13225		13226		13227		13228		13229		13230		13231		13232		13233		13234		13235		13236		13237		13238		13239		13240		13241		13242		13243		13244		13245		13246		13247		13248		13249		13250		13251		13252		13253		13254		13255		13256		13257		13258		13259		13260		13261		13262		13263		13264		13265		13266		13267		13268		13269		13270		13271		13272		13273		13274		13275		13276		13277		13278		13279		13280		13281		13282		13283		13284		13285		13286		13287		13288		13289		13290		13291		13292		13293		13294		13295		13296		13297		13298		13299		13300		13301		13302		13303		13304		13305		13306		13307		13308		13309		13310		13311		13312		13313	
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POTTER/RANDALL														
REVENUES	134348	134196	137874	137589	141205	142837	144501	144198	147927	149688	151481	152307	155165	
WITHOUT MI	134348	134196	137874	141205	142837	144501	144198	147927	149688	151481	152307	155165		
WITH MI	134348	134196	137874	141205	142837	144501	144198	147927	149688	151481	152307	155165		
DIFFERENCE	0	0	0	0	0	0	0	0	0	0	0	0	0	
PCT DIFF	0	0	0	0	0	0	0	0	0	0	0	0	0	
EXPENDITURES	133032	134642	136323	136017	139614	141228	142837	144501	147927	149688	151481	152307	155165	
WITHOUT MI	133032	134642	136323	136017	139614	141228	142837	144501	147927	149688	151481	152307	155165	
WITH MI	133032	134642	136323	136017	139614	141228	142837	144501	147927	149688	151481	152307	155165	
DIFFERENCE	0	0	0	0	0	0	0	0	0	0	0	0	0	
PCT DIFF	0	0	0	0	0	0	0	0	0	0	0	0	0	
MI INDUCED	0	0	0	0	0	0	0	0	0	0	0	0	0	
NET IMPACT	0	-40	-197	-843	-2011	-1888	-483	1061	1341	232	-64	-69	-67	
BRIDGES														
REVENUES	2875	2890	2903	2920	2935	2950	2965	2980	3002	3025	3035	3085	3115	
WITHOUT MI	2875	2890	2903	2920	2935	2950	2965	2980	3002	3025	3035	3085	3115	
WITH MI	2875	2890	2903	2920	2935	2950	2965	2980	3002	3025	3035	3085	3115	
DIFFERENCE	0	0	0	0	0	0	0	0	0	0	0	0	0	
PCT DIFF	0	0	0	0	0	0	0	0	0	0	0	0	0	
EXPENDITURES	2879	2894	2909	2924	2939	2954	2969	2984	3007	3029	3039	3089	3120	
WITHOUT MI	2879	2894	2909	2924	2939	2954	2969	2984	3007	3029	3039	3089	3120	
WITH MI	2879	2894	2909	2924	2939	2954	2969	2984	3007	3029	3039	3089	3120	
DIFFERENCE	0	0	0	0	0	0	0	0	0	0	0	0	0	
PCT DIFF	0	0	0	0	0	0	0	0	0	0	0	0	0	
MI INDUCED	0	0	0	0	0	0	0	0	0	0	0	0	0	
NET IMPACT	0	0	0	-3	-11	-75	-133	-24	121	36	0	0	0	
RAILROAD														
REVENUES	7934	7944	7994	8031	8084	8144	8204	8264	8324	8414	8504	8594	8684	
WITHOUT MI	7934	7944	7994	8031	8084	8144	8204	8264	8324	8414	8504	8594	8684	
WITH MI	7934	7944	7994	8031	8084	8144	8204	8264	8324	8414	8504	8594	8684	
DIFFERENCE	0	0	0	0	0	0	0	0	0	0	0	0	0	
PCT DIFF	0	0	0	0	0	0	0	0	0	0	0	0	0	
EXPENDITURES	7945	7974	8004	8043	8094	8154	8214	8274	8334	8424	8514	8604	8694	
WITHOUT MI	7945	7974	8004	8043	8094	8154	8214	8274	8334	8424	8514	8604	8694	
WITH MI	7945	7974	8004	8043	8094	8154	8214	8274	8334	8424	8514	8604	8694	
DIFFERENCE	0	0	0	0	0	0	0	0	0	0	0	0	0	
PCT DIFF	0	0	0	0	0	0	0	0	0	0	0	0	0	
MI INDUCED	0	0	0	0	0	0	0	0	0	0	0	0	0	
NET IMPACT	0	0	0	-7	-20	-17	5	13	9	0	0	0	0	
CHURCH														
REVENUES	44289	45002	45720	46448	47122	47793	48472	49160	49855	50471	51098	51727	52345	
WITHOUT MI	44289	45002	45720	46448	47122	47793	48472	49160	49855	50471	51098	51727	52345	
WITH MI	44289	45002	45720	46448	47122	47793	48472	49160	49855	50471	51098	51727	52345	
DIFFERENCE	0	0	0	0	0	0	0	0	0	0	0	0	0	
PCT DIFF	0	0	0	0	0	0	0	0	0	0	0	0	0	
EXPENDITURES	44373	45289	46023	46765	47424	48099	48782	49474	50174	50800	51425	52038	52700	
WITHOUT MI	44373	45289	46023	46765	47424	48099	48782	49474	50174	50800	51425	52038	52700	
WITH MI	44373	45289	46023	46765	47424	48099	48782	49474	50174	50800	51425	52038	52700	
DIFFERENCE	0	0	0	0	0	0	0	0	0	0	0	0	0	
PCT DIFF	0	0	0	0	0	0	0	0	0	0	0	0	0	
MI INDUCED	0	0	0	0	0	0	0	0	0	0	0	0	0	
NET IMPACT	0	0	-2	-407	-462	-267	87	36	0	0	0	0	0	
CURRY														
REVENUES	27640	27748	27837	27925	27937	27950	27963	27975	27994	27937	27887	27837	27786	
WITHOUT MI	27640	27748	27837	27925	27937	27950	27963	27975	27994	27937	27887	27837	27786	
WITH MI	27640	27748	27837	27925	27937	27950	27963	27975	27994	27937	27887	27837	27786	
DIFFERENCE	0	0	0	0	0	0	0	0	0	0	0	0	0	
PCT DIFF	0	0	0	0	0	0	0	0	0	0	0	0	0	
EXPENDITURES	2015	4725	3496	4086	4241	4242	4213	4343	4220	4194	4181	4104	4181	
WITHOUT MI	2015	4725	3496	4086	4241	4242	4213	4343	4220	4194	4181	4104	4181	
WITH MI	2015	4725	3496	4086	4241	4242	4213	4343	4220	4194	4181	4104	4181	
DIFFERENCE	0	0	0	0	0	0	0	0	0	0	0	0	0	
PCT DIFF	0	0	0	0	0	0	0	0	0	0	0	0	0	
MI INDUCED	0	0	0	0	0	0	0	0	0	0	0	0	0	
NET IMPACT	0	0	0	0	0	0	0	0	0	0	0	0	0	

Table 2.1-25. (Page 5 of 6)

WITHOUT RE	20447	20338	20449	20740	20733	20744	20779	20772	20811	20753	20701	20649	20597
WITH RE	31080	34603	39422	42398	44483	43369	43667	42944	41483	41823	41371	41319	41268
DIFFERENCE	3413	6465	10773	14958	15462	14603	15097	12674	12674	12670	12670	44 23	12671
PCT DIFF	9.18	21.17	37.40	31.70	34.37	30.77	35.43	49.33	43.49	44.07	44.15		44.31
RE INDUCED	-398	-1319	-1825	-1897	-1210	-311	163	1236	1334	1361	1361	1361	1361
NET IMPACT													
DE BACA													
REVENUES	1992	1992	1992	1992	1992	1994	1979	1972	1916	1916	1916	1916	1916
WITHOUT RE	1992	2008	2031	2034	2010	1991	1944	1940	1921	1916	1916	1916	1916
WITH RE	1992	2008	2031	2034	2010	1991	1944	1940	1921	1916	1916	1916	1916
DIFFERENCE	0	15	37	51	41	27	16	16	3	0	0	0	0
PCT DIFF	0.00	0.76	1.93	2.50	2.04	1.36	0.83	0.83	0.25	0.02	0.00	0.00	0.00
EXPENDITURES	1992	1992	1992	1992	1992	1994	1979	1972	1916	1916	1916	1916	1916
WITHOUT RE	1992	2008	2031	2034	2010	1991	1944	1940	1921	1916	1916	1916	1916
WITH RE	1992	2008	2031	2034	2010	1991	1944	1940	1921	1916	1916	1916	1916
DIFFERENCE	0	15	37	51	41	27	16	16	3	0	0	0	0
PCT DIFF	0.00	0.76	1.93	2.50	2.04	1.36	0.83	0.83	0.25	0.02	0.00	0.00	0.00
RE INDUCED	0	113	270	403	220	134	173	0.68	0.14	0.00	0.00	0.00	0.00
NET IMPACT	0	-8	-13	-19	-2	-2	-7	-1	2	0	0	0	0
HARDING													
REVENUES	803	789	774	766	743	728	713	697	682	651	621	590	552
WITHOUT RE	803	789	774	766	743	728	713	697	682	651	621	590	552
WITH RE	803	789	774	766	743	728	713	697	682	651	621	590	552
DIFFERENCE	0	0	0	0	0	0	0	0	0	0	0	0	0
PCT DIFF	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EXPENDITURES	803	789	774	766	743	728	713	697	682	651	621	590	552
WITHOUT RE	803	789	774	766	743	728	713	697	682	651	621	590	552
WITH RE	803	789	774	766	743	728	713	697	682	651	621	590	552
DIFFERENCE	0	0	0	0	0	0	0	0	0	0	0	0	0
PCT DIFF	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RE INDUCED	0	0	0	0	0	0	0	0	0	0	0	0	0
NET IMPACT	0	0	0	0	0	0	0	0	0	0	0	0	0
BLAY													
REVENUES	8404	8421	8436	8432	8436	8421	8404	8370	8363	8344	8314	8483	8432
WITHOUT RE	8404	8421	8436	8432	8436	8421	8404	8370	8363	8344	8314	8483	8432
WITH RE	8404	8421	8436	8432	8436	8421	8404	8370	8363	8344	8314	8483	8432
DIFFERENCE	0	1671	1671	1671	1671	1671	1671	1671	1671	1671	1671	1671	1671
PCT DIFF	0.00	19.71	19.71	19.71	19.71	19.71	19.71	19.71	19.71	19.71	19.71	19.71	19.71
EXPENDITURES	8404	8421	8436	8432	8436	8421	8404	8370	8363	8344	8314	8483	8432
WITHOUT RE	8404	8421	8436	8432	8436	8421	8404	8370	8363	8344	8314	8483	8432
WITH RE	8404	8421	8436	8432	8436	8421	8404	8370	8363	8344	8314	8483	8432
DIFFERENCE	0	1671	1671	1671	1671	1671	1671	1671	1671	1671	1671	1671	1671
PCT DIFF	0.00	19.71	19.71	19.71	19.71	19.71	19.71	19.71	19.71	19.71	19.71	19.71	19.71
RE INDUCED	0	-292	-430	-278	238	-41	-9	23	1	0	0	0	0
NET IMPACT	0	-292	-430	-278	238	-41	-9	23	1	0	0	0	0
ROOSEVELT													
REVENUES	13738	13808	13837	13913	13973	14040	14106	14172	14247	14303	14371	14437	14504
WITHOUT RE	13738	13808	13837	13913	13973	14040	14106	14172	14247	14303	14371	14437	14504
WITH RE	13738	13808	13837	13913	13973	14040	14106	14172	14247	14303	14371	14437	14504
DIFFERENCE	119	344	974	2481	3333	3915	4635	5294	5796	6344	6944	7594	8294
PCT DIFF	0.87	2.49	7.03	17.71	23.84	27.64	33.24	37.24	41.24	45.24	49.24	53.24	57.24
EXPENDITURES	13844	13894	13944	14004	14064	14120	14176	14232	14288	14344	14400	14456	14512
WITHOUT RE	13844	13894	13944	14004	14064	14120	14176	14232	14288	14344	14400	14456	14512
WITH RE	13844	13894	13944	14004	14064	14120	14176	14232	14288	14344	14400	14456	14512
DIFFERENCE	172	433	1108	3491	3894	4198	4502	4806	5110	5414	5718	6022	6326
PCT DIFF	1.24	3.24	8.32	24.44	27.44	29.44	31.44	33.44	35.44	37.44	39.44	41.44	43.44
RE INDUCED	-52	-109	-214	-470	-244	-243	-295	-126	47	-40	88	-81	-81
NET IMPACT	-52	-109	-214	-470	-244	-243	-295	-126	47	-40	88	-81	-81

Table 2.1-25. (Page 6 of 6)

UNION														
REVENUES														
WITHOUT MI	3717	3701	3686	3678	3686	3701	3717	3732	3735	3735	3735	3735	3735	3735
WITH MI	3717	3701	3686	3678	3710	3748	3703	3780	3742	3745	3745	3745	3745	3745
DIFFERENCE	0	0	0	0	24	47	87	48	7	0	0	0	0	0
PCT DIFF	0.00	0.00	0.00	0.00	0.66	1.81	2.34	1.29	0.19	0.00	0.00	0.00	0.00	0.00
EXPENDITURES														
WITHOUT MI	3717	3701	3686	3678	3686	3701	3717	3732	3735	3735	3735	3735	3735	3735
WITH MI	3717	3701	3686	3678	3723	3784	3727	3779	3755	3745	3745	3745	3745	3745
DIFFERENCE	0	0	0	0	37	83	110	47	0	0	0	0	0	0
PCT DIFF	0.00	0.00	0.00	0.00	1.00	2.50	2.97	1.26	0.00	0.00	0.00	0.00	0.00	0.00
MI INDUCED	0	0	0	0	-13	-25	-25	1	7	0	0	0	0	0
NET IMPACT	0	0	0	0	-13	-25	-25	1	7	0	0	0	0	0
REGIONAL TOTAL														
REVENUES														
WITHOUT MI	542353	548113	553970	559959	565186	570560	576007	581327	587189	592915	598763	604606	610478	616378
WITH MI	544487	554690	560871	568166	575004	581844	588712	595608	602525	609468	616438	623433	630451	637493
DIFFERENCE	2134	6577	6881	8207	9818	1324	1665	4281	5336	6553	7675	8827	9973	11015
PCT DIFF	0.39	1.20	1.23	1.47	1.73	2.32	2.89	7.36	9.09	11.05	12.82	14.46	16.19	17.86
EXPENDITURES														
WITHOUT MI	540640	546393	552107	558161	563537	569700	574116	578603	583224	587927	592741	602637	608384	614084
WITH MI	542884	548752	554722	560812	566812	572812	578812	584812	590812	596812	602812	608812	614812	620812
DIFFERENCE	2244	2359	2615	2651	3275	3112	4700	6209	7592	8915	10711	16477	16428	16944
PCT DIFF	0.41	0.43	0.47	0.47	0.58	0.54	0.82	1.07	1.30	1.54	1.84	2.73	2.68	2.76
MI INDUCED	-650	-1770	-3064	-6404	-7589	-5017	-295	5519	6214	2505	1675	1598	1494	1494
NET IMPACT	-650	-1770	-3064	-6404	-7589	-5017	-295	5519	6214	2505	1675	1598	1494	1494

SOURCE: FOR SCIENCES
 (1) ESTIMATES REFLECT AGGREGATE REVENUES AND EXPENDITURES FOR ALL LOCAL GOVERNMENTAL UNITS (COUNTIES, CITIES, TOWNS, DISTRICTS, SPECIAL DISTRICTS) WITHIN THE COUNTY

Table 2.1-26. (Page 1 of 6)

LOCAL GOVERNMENT REVENUES, EXPENDITURES, AND NET IMPACTS (THOUSANDS FY 1980 \$) (1) BASELINE LOW

ALTERNATIVE B1	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
BALILEY													
REVENUES	4332	4348	4383	4303	4313	4328	4343	4358	4373	4380	4390	4390	4390
WITHOUT MI	4332	4348	4383	4303	4313	4328	4343	4358	4373	4380	4390	4390	4390
WITH MI	4332	4348	4383	4303	4313	4328	4343	4358	4373	4380	4390	4390	4390
DIFFERENCE	0	0	0	0	0	0	0	0	0	0	0	0	0
PCT DIFF	0	0	0	0	0	0	0	0	0	0	0	0	0
EXPENDITURES	4342	4377	4392	4314	4322	4337	4352	4367	4382	4389	4399	4399	4399
WITHOUT MI	4342	4377	4392	4314	4322	4337	4352	4367	4382	4389	4399	4399	4399
WITH MI	4342	4377	4392	4314	4322	4337	4352	4367	4382	4389	4399	4399	4399
DIFFERENCE	0	0	0	0	0	0	0	0	0	0	0	0	0
PCT DIFF	0	0	0	0	0	0	0	0	0	0	0	0	0
MI INDUCED	0	0	0	0	0	0	0	0	0	0	0	0	0
NET IMPACT	0	0	0	-16	-73	-73	30	31	23	1	0	0	0
CABRERO													
REVENUES	7924	7944	7994	8031	8084	8144	8204	8264	8324	8374	8424	8474	8524
WITHOUT MI	7924	7944	7994	8031	8084	8144	8204	8264	8324	8374	8424	8474	8524
WITH MI	7924	7944	7994	8031	8084	8144	8204	8264	8324	8374	8424	8474	8524
DIFFERENCE	0	0	0	0	0	0	0	0	0	0	0	0	0
PCT DIFF	0	0	0	0	0	0	0	0	0	0	0	0	0
EXPENDITURES	7945	7976	8006	8043	8096	8156	8216	8276	8336	8412	8487	8562	8637
WITHOUT MI	7945	7976	8006	8043	8096	8156	8216	8276	8336	8412	8487	8562	8637
WITH MI	7945	7976	8006	8043	8096	8156	8216	8276	8336	8412	8487	8562	8637
DIFFERENCE	0	0	0	0	0	0	0	0	0	0	0	0	0
PCT DIFF	0	0	0	0	0	0	0	0	0	0	0	0	0
MI INDUCED	0	0	0	0	0	0	0	0	0	0	0	0	0
NET IMPACT	0	0	0	0	-16	-56	-7	39	13	0	0	0	0
COCHISE													
REVENUES	3703	3703	3703	3703	3703	3703	3703	3703	3703	3726	3726	3786	4016
WITHOUT MI	3703	3703	3703	3703	3703	3703	3703	3703	3703	3726	3726	3786	4016
WITH MI	3703	3703	3703	3703	3703	3703	3703	3703	3703	3726	3726	3786	4016
DIFFERENCE	0	0	0	0	0	0	0	0	0	0	0	0	0
PCT DIFF	0	0	0	0	0	0	0	0	0	0	0	0	0
EXPENDITURES	3709	3709	3709	3709	3709	3709	3709	3709	3709	3731	3731	3792	4022
WITHOUT MI	3709	3709	3709	3709	3709	3709	3709	3709	3709	3731	3731	3792	4022
WITH MI	3709	3709	3709	3709	3709	3709	3709	3709	3709	3731	3731	3792	4022
DIFFERENCE	0	0	0	0	0	0	0	0	0	0	0	0	0
PCT DIFF	0	0	0	0	0	0	0	0	0	0	0	0	0
MI INDUCED	0	0	0	0	0	0	0	0	0	0	0	0	0
NET IMPACT	0	0	0	-4	-26	-8	16	10	0	0	0	0	0
DALLAM													
REVENUES	4612	4644	4720	4780	4828	4881	4935	4989	5050	5124	5203	5283	5376
WITHOUT MI	4612	4644	4720	4780	4828	4881	4935	4989	5050	5124	5203	5283	5376
WITH MI	4612	4644	4720	4780	4828	4881	4935	4989	5050	5124	5203	5283	5376
DIFFERENCE	0	0	0	0	0	0	0	0	0	0	0	0	0
PCT DIFF	0	0	0	0	0	0	0	0	0	0	0	0	0
EXPENDITURES	4811	4867	4923	4986	5035	5092	5140	5204	5267	5345	5429	5513	5597
WITHOUT MI	4811	4867	4923	4986	5035	5092	5140	5204	5267	5345	5429	5513	5597
WITH MI	4811	4867	4923	4986	5035	5092	5140	5204	5267	5345	5429	5513	5597
DIFFERENCE	0	0	0	0	0	0	0	0	0	0	0	0	0
PCT DIFF	0	0	0	0	0	0	0	0	0	0	0	0	0
MI INDUCED	0	0	0	0	0	0	0	0	0	0	0	0	0
NET IMPACT	0	0	0	0	-48	-230	-390	-284	-302	5	0	0	0

Table 2.1-26. (Page 2 of 6)

DEAF SMITH														
REVENUES	14989	15095	15200	15312	15470	15635	15800	15965	16138	16326	16521	16716	16911	
WITH MI	14989	15095	15209	16086	17003	16290	16066	16031	16140	16326	16521	16716	16911	
WITHOUT MI	0	0	0	774	1535	635	266	85	2	0	0	0	0	
DIFFERENCE	0	0	10	812	5468	15655	15800	15946	16138	16326	16521	16716	16911	
PCT DIFF	0	0	0.06	5.06	9.92	4.19	1.69	0.53	0.01	0.00	0.00	0.00	0.00	
EXPENDITURES														
WITH MI	15281	15388	15495	15610	15771	15939	16107	16276	16452	16643	16842	17041	17240	
WITHOUT MI	15281	15388	15510	16738	17630	16327	16337	16282	16452	16643	16842	17041	17240	
DIFFERENCE	0	0	14	1128	1859	380	279	6	0	0	0	0	0	
PCT DIFF	0	0	0.09	7.23	11.79	2.43	1.42	0.04	0.00	0.00	0.00	0.00	0.00	
MI INDUCED	0	0	0	354	-324	267	37	79	2	0	0	0	0	
NET IMPACT	0	0	-5	354	-324	267	37	79	2	0	0	0	0	
HALE														
REVENUES	28587	28883	29191	29499	29806	30114	30429	30742	31047	31465	31843	32248	32681	
WITH MI	28587	28883	29191	29499	29806	30114	30429	30742	31047	31465	31843	32248	32681	
WITHOUT MI	0	0	0	0	0	48	44	8	0	0	0	0	0	
DIFFERENCE	0	0	0	0	0	0	0	0	0	0	0	0	0	
PCT DIFF	0	0	0.00	0.00	0.00	0.16	0.14	0.03	0.00	0.00	0.00	0.00	0.00	
EXPENDITURES														
WITH MI	28625	28925	29234	29542	29850	30158	30474	30797	31113	31511	31910	32314	32722	
WITHOUT MI	28625	28925	29234	29542	29850	30158	30474	30797	31113	31511	31910	32314	32722	
DIFFERENCE	0	0	0	0	0	0	0	0	0	0	0	0	0	
PCT DIFF	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
MI INDUCED	0	0	0	0	0	0	0	0	0	0	0	0	0	
NET IMPACT	0	0	0	0	0	-37	21	8	0	0	0	0	0	
HARTLEY														
REVENUES	1847	1888	1928	1969	2009	2050	2090	2131	2171	2212	2252	2293	2333	
WITH MI	1847	1888	1928	1969	2009	2050	2090	2131	2171	2212	2252	2293	2333	
WITHOUT MI	0	0	0	0	0	0	0	0	0	0	0	0	0	
DIFFERENCE	0	0	0	0	0	0	0	0	0	0	0	0	0	
PCT DIFF	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
EXPENDITURES														
WITH MI	1847	1888	1928	1969	2009	2050	2090	2131	2171	2212	2252	2293	2333	
WITHOUT MI	1847	1888	1928	1969	2009	2050	2090	2131	2171	2212	2252	2293	2333	
DIFFERENCE	0	0	0	0	0	0	0	0	0	0	0	0	0	
PCT DIFF	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
MI INDUCED	0	0	0	0	0	0	0	0	0	0	0	0	0	
NET IMPACT	0	0	0	0	0	0	0	0	0	0	0	0	0	
MOCKLEY														
REVENUES	16311	16401	16491	16581	16656	16731	16806	16881	16964	17041	17166	17271	17376	
WITH MI	16311	16401	16491	16581	16656	16731	16806	16881	16964	17041	17166	17271	17376	
WITHOUT MI	0	0	0	0	0	0	0	0	0	0	0	0	0	
DIFFERENCE	0	0	0	0	0	0	0	0	0	0	0	0	0	
PCT DIFF	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
EXPENDITURES														
WITH MI	16334	16425	16515	16605	16680	16755	16831	16906	16988	17086	17191	17297	17402	
WITHOUT MI	16334	16425	16515	16605	16680	16755	16831	16906	16988	17086	17191	17297	17402	
DIFFERENCE	0	0	0	0	0	0	0	0	0	0	0	0	0	
PCT DIFF	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
MI INDUCED	0	0	0	0	0	0	0	0	0	0	0	0	0	
NET IMPACT	0	0	0	0	0	0	0	0	0	0	0	0	0	
LAMB														
REVENUES	13040	13040	13040	13040	13038	13023	13008	12993	12978	12985	12985	12985	12985	
WITH MI	13040	13040	13040	13040	13038	13023	13008	12993	12978	12985	12985	12985	12985	
WITHOUT MI	0	0	0	0	0	0	0	0	0	0	0	0	0	
DIFFERENCE	0	0	0	0	0	0	0	0	0	0	0	0	0	
PCT DIFF	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
EXPENDITURES														

Table 2.1-26. (Page 3 of 6)

	13000	13001	13002	13003	13004	13005	13006	13007	13008	13009	13010	13011	13012	13013	13014	13015	13016	13017	13018	13019	13020	13021	13022	13023	13024	13025	13026	13027	13028	13029	13030	13031	13032	13033	13034	13035	13036	13037	13038	13039	13040	13041	13042	13043	13044	13045	13046	13047	13048	13049	13050	13051	13052	13053	13054	13055	13056	13057	13058	13059	13060	13061	13062	13063	13064	13065	13066	13067	13068	13069	13070	13071	13072	13073	13074	13075	13076	13077	13078	13079	13080	13081	13082	13083	13084	13085	13086	13087	13088	13089	13090	13091	13092	13093	13094	13095	13096	13097	13098	13099	13100	13101	13102	13103	13104	13105	13106	13107	13108	13109	13110	13111	13112	13113	13114	13115	13116	13117	13118	13119	13120	13121	13122	13123	13124	13125	13126	13127	13128	13129	13130	13131	13132	13133	13134	13135	13136	13137	13138	13139	13140	13141	13142	13143	13144	13145	13146	13147	13148	13149	13150	13151	13152	13153	13154	13155	13156	13157	13158	13159	13160	13161	13162	13163	13164	13165	13166	13167	13168	13169	13170	13171	13172	13173	13174	13175	13176	13177	13178	13179	13180	13181	13182	13183	13184	13185	13186	13187	13188	13189	13190	13191	13192	13193	13194	13195	13196	13197	13198	13199	13200	13201	13202	13203	13204	13205	13206	13207	13208	13209	13210	13211	13212	13213	13214	13215	13216	13217	13218	13219	13220	13221	13222	13223	13224	13225	13226	13227	13228	13229	13230	13231	13232	13233	13234	13235	13236	13237	13238	13239	13240	13241	13242	13243	13244	13245	13246	13247	13248	13249	13250	13251	13252	13253	13254	13255	13256	13257	13258	13259	13260	13261	13262	13263	13264	13265	13266	13267	13268	13269	13270	13271	13272	13273	13274	13275	13276	13277	13278	13279	13280	13281	13282	13283	13284	13285	13286	13287	13288	13289	13290	13291	13292	13293	13294	13295	13296	13297	13298	13299	13300	13301	13302	13303	13304	13305	13306	13307	13308	13309	13310	13311	13312	13313	13314	13315	13316	13317	13318	13319	13320	13321	13322	13323	13324	13325	13326	13327	13328	13329	13330	13331	13332	13333	13334	13335	13336	13337	13338	13339	13340	13341	13342	13343	13344	13345	13346	13347	13348	13349	13350	13351	13352	13353	13354	13355	13356	13357	13358	13359	13360	13361	13362	13363	13364	13365	13366	13367	13368	13369	13370	13371	13372	13373	13374	13375	13376	13377	13378	13379	13380	13381	13382	13383	13384	13385	13386	13387	13388	13389	13390	13391	13392	13393	13394	13395	13396	13397	13398	13399	13400	13401	13402	13403	13404	13405	13406	13407
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Table 2.1-26. (page 4 of 6)

POTTER/RANDALL	REVENUES	134548	136196	137876	139589	141205	142837	144501	146198	147927	149688	151481	153307	155151
	WITHOUT MI													
	WITH MI													
	DIFFERENCE	0	0	112	894	2348	2743	2641	1589	609	219	197	153	149
	PCT DIFF	0	0	0.08	0.64	1.64	1.92	1.92	1.09	0.41	0.15	0.10	0.10	0.10
	EXPENDITURES	170032	136443	136323	136017	137814	142873	144531	146260	148002	149775	151580	153418	155252
	WITHOUT MI													
	WITH MI													
	DIFFERENCE	0	0	201	1268	3098	2936	2348	1142	316	170	165	199	172
	PCT DIFF	0	0	0.13	0.92	2.22	2.08	1.78	0.80	0.22	0.11	0.11	0.10	0.10
	MI INDUCED													
	NET IMPACT	0	0	-90	-374	-750	-193	94	437	293	49	-4	4	1
OSBORN	REVENUES	2875	2890	2905	2920	2935	2950	2965	2980	3002	3025	3055	3085	3115
	WITHOUT MI													
	WITH MI													
	DIFFERENCE	0	0	0	0	0	0	0	0	0	0	0	0	0
	PCT DIFF	0	0	0	0	0	0	0	0	0	0	0	0	0
	EXPENDITURES	2879	2894	2909	2924	2939	2954	2969	2984	3007	3029	3059	3089	3120
	WITHOUT MI													
	WITH MI													
	DIFFERENCE	0	0	0	0	0	0	0	0	0	0	0	0	0
	PCT DIFF	0	0	0	0	0	0	0	0	0	0	0	0	0
	MI INDUCED													
	NET IMPACT	0	0	0	0	0	0	0	0	0	0	0	0	0
BIMBER	REVENUES	7934	7944	7994	8031	8084	8144	8204	8264	8324	8414	8504	8594	8684
	WITHOUT MI													
	WITH MI													
	DIFFERENCE	0	0	0	0	10	32	38	17	2	0	0	0	0
	PCT DIFF	0	0	0	0	0.12	0.41	0.46	0.20	0.02	0.00	0.00	0.00	0.00
	EXPENDITURES	7945	7976	8006	8043	8076	8126	8216	8276	8376	8427	8517	8607	8697
	WITHOUT MI													
	WITH MI													
	DIFFERENCE	0	0	0	0	18	47	37	6	0	0	0	0	0
	PCT DIFF	0	0	0	0	0.22	0.58	0.45	0.07	0.00	0.00	0.00	0.00	0.00
	MI INDUCED													
	NET IMPACT	0	0	0	-8	-14	1	11	2	0	0	0	0	0
CHAMBER	REVENUES	44289	45002	45730	46468	47122	47793	48472	49160	49855	50477	51098	51727	52365
	WITHOUT MI													
	WITH MI													
	DIFFERENCE	0	0	0	0	0	427	3345	2305</					

Table 2.1-26. (Page 5 of 6)

WITHOUT MI WITH MI DIFFERENCE MI INDUCED NET IMPACT	28467	28358	28649	28740	28753	28766	28779	28792	28811	28753	28701	28649	28597
	30985	34280	38979	42409	43357	42764	43398	42643	41313	41251	41200	41148	41076
	2317	5902	10330	12670	14804	15018	15318	12851	12302	12240	12189	12147	12075
	8 84	19 97	36 06	47 56	51 49	48 73	51 49	48 11	43 39	43 47	43 53	43 63	43 71
	-580	-1220	-1448	-1537	-1056	-236	208	1310	1512	1356	1356	1356	1356
DE BACA													
WITHOUT MI WITH MI DIFFERENCE PCT DIFF EXPENDITURES WITHOUT MI WITH MI DIFFERENCE PCT DIFF MI INDUCED NET IMPACT	1992	1992	1992	1992	1969	1954	1939	1923	1916	1916	1916	1916	1916
	1992	1992	1992	1992	1978	1980	1999	1978	1935	1918	1916	1916	1916
	0 00	0 00	0 00	0 10	0 46	1 35	3 13	2 84	0 98	0 12	0 01	0 00	0 00
	1992	1992	1992	1992	1969	1954	1939	1923	1916	1916	1916	1916	1916
	1992	1992	1992	1992	1978	1980	1999	1978	1935	1918	1916	1916	1916
WITHOUT MI WITH MI DIFFERENCE PCT DIFF MI INDUCED NET IMPACT	0 00	0 00	0 00	0 14	0 66	1 89	4 27	3 31	0 71	0 01	0 00	0 00	0 00
	0 00	0 00	0 00	0 14	0 66	1 89	4 27	3 31	0 71	0 01	0 00	0 00	0 00
	0 00	0 00	0 00	0 14	0 66	1 89	4 27	3 31	0 71	0 01	0 00	0 00	0 00
	0 00	0 00	0 00	0 14	0 66	1 89	4 27	3 31	0 71	0 01	0 00	0 00	0 00
	0 00	0 00	0 00	0 14	0 66	1 89	4 27	3 31	0 71	0 01	0 00	0 00	0 00
HARDING													
WITHOUT MI WITH MI DIFFERENCE PCT DIFF EXPENDITURES WITHOUT MI WITH MI DIFFERENCE PCT DIFF MI INDUCED NET IMPACT	805	789	774	746	743	728	713	697	682	651	621	590	559
	805	789	774	746	743	728	713	697	682	651	621	590	559
	0 00	0 00	0 00	0 10	0 46	1 35	3 13	2 84	0 98	0 12	0 01	0 00	0 00
	805	789	774	746	743	728	713	697	682	651	621	590	559
	805	789	774	746	743	728	713	697	682	651	621	590	559
WITHOUT MI WITH MI DIFFERENCE PCT DIFF MI INDUCED NET IMPACT	0 00	0 00	0 00	0 14	0 66	1 89	4 27	3 31	0 71	0 01	0 00	0 00	0 00
	0 00	0 00	0 00	0 14	0 66	1 89	4 27	3 31	0 71	0 01	0 00	0 00	0 00
	0 00	0 00	0 00	0 14	0 66	1 89	4 27	3 31	0 71	0 01	0 00	0 00	0 00
	0 00	0 00	0 00	0 14	0 66	1 89	4 27	3 31	0 71	0 01	0 00	0 00	0 00
	0 00	0 00	0 00	0 14	0 66	1 89	4 27	3 31	0 71	0 01	0 00	0 00	0 00
QUAY													
WITHOUT MI WITH MI DIFFERENCE PCT DIFF EXPENDITURES WITHOUT MI WITH MI DIFFERENCE PCT DIFF MI INDUCED NET IMPACT	8606	8621	8636	8652	8636	8621	8606	8590	8583	8544	8514	8483	8452
	8606	8621	8636	8652	8636	8621	8606	8590	8583	8544	8514	8483	8452
	0 00	0 00	0 00	0 10	0 46	1 35	3 13	2 84	0 98	0 12	0 01	0 00	0 00
	8606	8621	8636	8652	8636	8621	8606	8590	8583	8544	8514	8483	8452
	8606	8621	8636	8652	8636	8621	8606	8590	8583	8544	8514	8483	8452
WITHOUT MI WITH MI DIFFERENCE PCT DIFF MI INDUCED NET IMPACT	0 00	0 00	0 00	0 14	0 66	1 89	4 27	3 31	0 71	0 01	0 00	0 00	0 00
	0 00	0 00	0 00	0 14	0 66	1 89	4 27	3 31	0 71	0 01	0 00	0 00	0 00
	0 00	0 00	0 00	0 14	0 66	1 89	4 27	3 31	0 71	0 01	0 00	0 00	0 00
	0 00	0 00	0 00	0 14	0 66	1 89	4 27	3 31	0 71	0 01	0 00	0 00	0 00
	0 00	0 00	0 00	0 14	0 66	1 89	4 27	3 31	0 71	0 01	0 00	0 00	0 00
ROOSEVELT													
WITHOUT MI WITH MI DIFFERENCE PCT DIFF EXPENDITURES WITHOUT MI WITH MI DIFFERENCE PCT DIFF MI INDUCED NET IMPACT	13728	13608	13637	13915	13973	14040	14106	14172	14207	14203	14371	14537	14594
	13728	13608	13637	13915	13973	14040	14106	14172	14207	14203	14371	14537	14594
	0 00	0 00	0 00	0 10	0 46	1 35	3 13	2 84	0 98	0 12	0 01	0 00	0 00
	13728	13608	13637	13915	13973	14040	14106	14172	14207	14203	14371	14537	14594
	13728	13608	13637	13915	13973	14040	14106	14172	14207	14203	14371	14537	14594
WITHOUT MI WITH MI DIFFERENCE PCT DIFF MI INDUCED NET IMPACT	0 00	0 00	0 00	0 14	0 66	1 89	4 27	3 31	0 71	0 01	0 00	0 00	0 00
	0 00	0 00	0 00	0 14	0 66	1 89	4 27	3 31	0 71	0 01	0 00	0 00	0 00
	0 00	0 00	0 00	0 14	0 66	1 89	4 27	3 31	0 71	0 01	0 00	0 00	0 00
	0 00	0 00	0 00	0 14	0 66	1 89	4 27	3 31	0 71	0 01	0 00	0 00	0 00
	0 00	0 00	0 00	0 14	0 66	1 89	4 27	3 31	0 71	0 01	0 00	0 00	0 00

Table 2.1-26. (Page 6 of 6)

UNION																			
REVENUES																			
WITHOUT MI	3717	3701	3686	3678	3686	3701	3717	3732	3733	3735	3735	3735	3735	3735	3735	3735	3735	3735	3735
WITH MI	3717	3701	3686	3678	3686	3701	3717	3732	3733	3735	3735	3735	3735	3735	3735	3735	3735	3735	3735
DIFFERENCE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PCT DIFF	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EXPENDITURES																			
WITHOUT MI	3717	3701	3686	3678	3686	3701	3717	3732	3733	3735	3735	3735	3735	3735	3735	3735	3735	3735	3735
WITH MI	3717	3701	3686	3678	3686	3701	3717	3732	3733	3735	3735	3735	3735	3735	3735	3735	3735	3735	3735
DIFFERENCE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PCT DIFF	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MI INDUCED	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NET IMPACT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
REGIONAL TOTAL																			
REVENUES																			
WITHOUT MI	542353	548113	553970	559939	565186	570560	576007	581527	587183	592917	598763	604686	610678	616743	622899	629199	635599	642199	648978
WITH MI	54402	552700	563329	574061	585883	597811	609843	621976	634219	646572	659035	671608	684291	697084	709997	723030	736183	749456	762849
DIFFERENCE	2849	4587	9359	14022	20697	27251	34376	41649	49336	57555	66172	74722	83313	91941	100628	109477	118484	127657	137131
PCT DIFF	0.38	0.87	1.74	2.52	3.68	4.73	5.98	7.16	8.39	9.64	10.90	12.17	13.45	14.74	16.04	17.35	18.67	19.99	21.32
EXPENDITURES																			
WITHOUT MI	540640	546385	552207	558161	564246	570469	576831	583342	589991	596789	603737	610836	618086	625487	633040	640745	648602	656611	664784
WITH MI	543239	552486	563611	577606	595883	604131	604185	601156	599019	604221	610008	616882	624855	632927	641100	649373	657746	666219	674802
DIFFERENCE	2679	6101	11404	19446	32337	35431	37070	21594	13790	13294	17267	17847	17271	17267	17267	17267	17267	17267	17267
PCT DIFF	0.50	1.12	2.07	3.48	5.77	6.23	6.44	3.72	2.36	2.23	2.87	2.87	2.79	2.79	2.79	2.79	2.79	2.79	2.79
MI INDUCED	-630	-1314	-1777	-3064	-4347	-5263	-563	3303	2944	1432	1276	1276	1276	1276	1276	1276	1276	1276	1276
NET IMPACT	-630	-1314	-1777	-3064	-4347	-5263	-563	3303	2944	1432	1276	1276	1276	1276	1276	1276	1276	1276	1276
SOURCE FOR REVENUES																			
(1) ESTIMATES REFLECT AGGREGATE REVENUES AND EXPENDITURES FOR ALL LOCAL GOVERNMENTAL UNITS (COUNTIES, CITIES, TOWNS, VILLAGES, SPECIAL DISTRICTS) WITHIN THE COUNTY																			

short-term growth. While the number of county areas affected under split deployment is less than under the full deployment alternative, Quay, Roosevelt, Harding, and Deaf Smith counties will experience impacts similar to those under Alternative 7. The potential for service level degradation in these areas is quite high; substantial aid would be required to prevent service levels from deteriorating to unacceptable levels. No significant adverse effects are anticipated in the long-term for any of the potentially affected county areas. However, the expenditure level in Curry County in the long-term would be approximately 44 percent greater than expenditure levels experienced under baseline conditions under both alternatives.

The effects on school districts follow similar patterns. Under Alternative 7 in-migration of new pupils in the deployment region as a whole will increase local education expenditures by approximately \$41.4 million by the peak year of 1987 (Table 2.1-27). This represents a 12 percent increase over baseline expenditure levels in the region as a whole. Local effects, however, are more serious when compared to baseline levels. Bailey, Dallam, Hartley, Moore, Parmer, Curry, Harding, and Roosevelt counties will all experience significant increases in education-related expenditures in the peak years. With the possibility of local districts not being able to recruit the necessary staff to maintain acceptable student-teacher ratios, these peak year expenditure estimates could be reduced. Under the split deployment alternative, peak year (1987) educational related expenditure are reduced to approximately \$24.3 million in the deployment areas as a whole (Table 2.1-28). Local districts in the county areas mentioned above will also experience varying levels of impacts particularly during the peak year construction period.

Capital investment requirements in the Texas/New Mexico deployment region under Alternative 7 and the split deployment alternative area presented in Tables 2.1-29 and 2.1-30. Information is provided for long term demands, peak year requirements and annual investment required to satisfy long term needs. Total investment requirements are differentiated by type of indebtedness required--general obligation bond items, revenue bond items and school bond items.

Long term capital expenditure requirements under Alternative 7 for the Texas/New Mexico region total \$76.9 million (Table 2.1-29). About 59 percent of the total requirements are for school expenditures. Similar patterns hold for peak year expenditures. School expenditure requirement represent approximately 46 percent of the \$263.4 million of total peak year capital expenditures. However, use of temporary facilities and/or other mitigative measures such as double sessions could reduce these costs substantially.

Within the Texas/New Mexico region, the operating base county locations are expected to constitute the majority of long term capital expenditures. Under Alternative 7 the operating base counties of Curry and Hartley represent approximately 73 percent of total capital outlays in the long-term. In the peak year, however, the counties where DDA facilities are proposed represent the majority of the \$263.4 of total capital expenditures (66.7 percent). These peak year demands, however, could be met by temporary facilities with a concurrent reduction in the peak year capital requirements.

Total long-term capital expenditures in the region under split deployment are \$38.4 million (Table 2.1-30), approximately 50 percent of total outlays under

Table 2.1-27. (Page 1 of 7)

SOUTH DISTRICT REVENUES, EXPENDITURES, AND NET IMPACTS (THOUSANDS FY 1987 \$) (1) BASELINE: LOW

ALTERNATIVE 7

	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
HALL													
REVENUES													
ALLIANCE	3757.	3776.	3785.	3798.	3803.	3812.	3821.	3830.	3839.	3841.	3843.	3841.	3843.
STATE	3757.	3776.	3789.	4057.	4317.	4806.	1597.	4054.	3861.	3843.	3843.	3843.	3843.
LOCAL	0.	0.	0.	75.	136.	232.	106.	33.	0.	0.	0.	0.	0.
DIFFERENCE	0.	0.	0.	183.	261.	590.	274.	191.	22.	1.	0.	0.	0.
PCT. DIFF.	0.	0.	0.	5.	148.	172.	346.	191.	1.	0.	0.	0.	0.
EXPENDITURES	3.03	3.00	0.12	259.	515.	394.	776.	224.	22.	1.	0.	0.	0.
ALLIANCE	3827.	3836.	3845.	3859.	3864.	3873.	3882.	3891.	3901.	3905.	3905.	3905.	3905.
STATE	3827.	3836.	3853.	4207.	4406.	4956.	4423.	3932.	3902.	3905.	3905.	3905.	3905.
LOCAL	0.	0.	0.	348.	542.	1083.	541.	41.	2.	0.	0.	0.	0.
DIFFERENCE	0.03	0.00	0.18	3.02	14.04	27.97	13.93	1.04	0.05	0.00	0.00	0.00	0.00
PCT. DIFF.	0.	0.	0.	0.81	13.53	26.38	20.32	5.85	0.58	0.02	0.00	0.00	0.00
NET IMPACT	0.	0.	-2.	-89.	-28.	-89.	235.	184.	20.	1.	0.	0.	0.
CASTRO													
REVENUES													
ALLIANCE	4779.	4798.	4816.	4838.	4870.	4906.	4942.	4978.	5015.	5060.	5105.	5150.	5195.
STATE	4779.	4798.	4816.	4845.	4922.	5038.	5088.	5028.	5026.	5060.	5105.	5150.	5195.
LOCAL	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DIFFERENCE	0.	0.	0.	0.	7.	50.	74.	38.	11.	0.	0.	0.	0.
PCT. DIFF.	0.	0.	0.	0.	0.	82.	41.	12.	0.	0.	0.	0.	0.
EXPENDITURES	0.00	0.00	0.00	0.14	1.27	2.68	2.34	1.00	0.22	0.00	0.00	0.00	0.00
ALLIANCE	4956.	4875.	4893.	4916.	4948.	4985.	5022.	5058.	5095.	5141.	5187.	5233.	5279.
STATE	4956.	4875.	4893.	4928.	5042.	5124.	5092.	5080.	5095.	5141.	5187.	5233.	5279.
LOCAL	0.	0.	0.	12.	94.	140.	71.	21.	0.	0.	0.	0.	0.
DIFFERENCE	0.00	0.00	0.00	0.25	1.89	2.80	1.41	0.42	0.00	0.00	0.00	0.00	0.00
PCT. DIFF.	0.	0.	0.	0.6.	3.7.	8.	45.	29.	11.	0.	0.	0.	0.
NET IMPACT	0.	0.	0.	-6.	-37.	-8.	45.	29.	11.	0.	0.	0.	0.
CUCURAN													
REVENUES													
ALLIANCE	2351.	2351.	2351.	2351.	2351.	2351.	2351.	2351.	2351.	2351.	2351.	2351.	2351.
STATE	2351.	2351.	2351.	2360.	2378.	2394.	2397.	2367.	2352.	2365.	2383.	2401.	2419.
LOCAL	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DIFFERENCE	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
PCT. DIFF.	0.00	0.00	0.00	0.37	1.13	1.82	1.65	0.66	0.04	0.00	0.00	0.00	0.00
EXPENDITURES	2343.	2349.	2349.	2349.	2389.	2389.	2389.	2389.	2389.	2403.	2421.	2440.	2459.
ALLIANCE	2343.	2349.	2349.	2389.	2421.	2431.	2431.	2391.	2389.	2403.	2421.	2440.	2459.
STATE	2343.	2349.	2349.	2389.	2421.	2431.	2431.	2391.	2389.	2403.	2421.	2440.	2459.
LOCAL	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DIFFERENCE	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
PCT. DIFF.	0.00	0.00	0.00	0.50	1.33	1.45	1.11	0.07	0.00	0.00	0.00	0.00	0.00
NET IMPACT	0.	0.	0.	-5.	-3.	-1.	11.	14.	1.	0.	0.	0.	0.
OSCEOLA													
ALLIANCE	3437.	3437.	3437.	3437.	3437.	3437.	3437.	3437.	3437.	3437.	3437.	3437.	3437.
STATE	3437.	3437.	3437.	3437.	3437.	3437.	3437.	3437.	3437.	3437.	3437.	3437.	3437.
LOCAL	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DIFFERENCE	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
PCT. DIFF.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NET IMPACT	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

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OLIHAN														
REVENUES														
LOCAL	0.	0.	0.	29.	181.	396.	557.	627.	435.	327.	327.	327.	326.	
DIFFERENCE	0.	0.	0.	29.	393.	1072.	1565.	1437.	1041.	831.	799.	799.	797.	
PCT. DIFF.	0.00	0.00	0.00	0.43	5.85	15.86	23.02	21.04	15.15	12.01	11.48	11.39	11.31	
EXPENDITURES														
WITHOUT MX	6712.	6740.	6769.	6800.	6832.	6869.	6905.	6942.	6979.	7025.	7071.	7117.	7163.	
WITH MX	6712.	6740.	6768.	6799.	6830.	6867.	6901.	6931.	6965.	7005.	7037.	7083.	7029.	
DIFFERENCE	0.	0.	0.	49.	557.	1198.	1486.	1129.	726.	668.	666.	666.	666.	
PCT. DIFF.	0.00	0.00	0.00	0.73	8.15	17.44	21.52	16.26	10.41	9.51	9.42	9.36	9.30	
MX INDUCED	0.	0.	0.	-21.	-163.	-126.	78.	308.	314.	163.	133.	132.	131.	
NET IMPACT	0.	0.	0.	-21.	-163.	-126.	78.	308.	314.	163.	133.	132.	131.	
OLIHAN														
REVENUES														
WITHOUT MX	1234.	1243.	1253.	1262.	1280.	1298.	1316.	1334.	1357.	1379.	1406.	1433.	1461.	
WITH MX	1234.	1243.	1253.	1264.	1286.	1316.	1359.	1385.	1383.	1384.	1406.	1433.	1461.	
P.L. R74	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
STATE	0.	0.	0.	0.	2.	4.	13.	27.	22.	5.	0.	0.	0.	
LOCAL	0.	0.	0.	2.	5.	14.	30.	24.	5.	0.	0.	0.	0.	
DIFFERENCE	0.	0.	0.	2.	6.	18.	43.	51.	27.	5.	0.	0.	0.	
PCT. DIFF.	0.00	0.00	0.03	0.16	0.50	1.38	3.25	3.83	1.96	0.34	0.00	0.00	0.00	
EXPENDITURES														
WITHOUT MX	1254.	1263.	1273.	1282.	1300.	1319.	1337.	1355.	1378.	1401.	1429.	1456.	1484.	
WITH MX	1254.	1263.	1273.	1285.	1307.	1343.	1388.	1396.	1387.	1401.	1429.	1456.	1484.	
DIFFERENCE	0.	0.	0.	4.	7.	25.	51.	41.	9.	0.	0.	0.	0.	
PCT. DIFF.	0.00	0.00	0.00	0.28	0.54	1.88	3.83	3.00	0.64	0.00	0.00	0.00	0.00	
MX INDUCED	0.	0.	0.	-1.	-1.	-7.	-8.	11.	18.	5.	0.	0.	0.	
NET IMPACT	0.	0.	0.	-1.	-1.	-7.	-8.	11.	18.	5.	0.	0.	0.	
PARKER														
REVENUES														
WITHOUT MX	4657.	4657.	4657.	4657.	4662.	4671.	4680.	4689.	4703.	4734.	4770.	4807.	4843.	
WITH MX	4657.	4657.	4718.	5201.	5899.	5433.	4835.	4701.	4705.	4734.	4770.	4807.	4843.	
P.L. R74	0.	0.	18.	169.	282.	87.	0.	0.	0.	0.	0.	0.	0.	
STATE	0.	0.	43.	406.	688.	228.	6.	10.	2.	0.	0.	0.	0.	
LOCAL	0.	0.	0.	28.	267.	447.	149.	12.	0.	0.	0.	0.	0.	
DIFFERENCE	0.	0.	61.	603.	1237.	762.	155.	12.	2.	0.	0.	0.	0.	
PCT. DIFF.	0.00	0.00	1.30	12.95	26.54	16.32	3.32	0.26	0.04	0.00	0.00	0.00	0.00	
EXPENDITURES														
WITHOUT MX	4732.	4732.	4732.	4732.	4737.	4746.	4755.	4764.	4778.	4810.	4847.	4884.	4921.	
WITH MX	4732.	4732.	4815.	5515.	6446.	5151.	4775.	4768.	4778.	4810.	4847.	4884.	4921.	
DIFFERENCE	0.	0.	83.	783.	1309.	405.	19.	4.	0.	0.	0.	0.	0.	
PCT. DIFF.	0.00	0.00	1.75	16.54	27.64	8.53	0.41	0.07	0.00	0.00	0.00	0.00	0.00	
MX INDUCED	0.	0.	-22.	-170.	-72.	358.	136.	8.	2.	0.	0.	0.	0.	
NET IMPACT	0.	0.	-22.	-170.	-72.	358.	136.	8.	2.	0.	0.	0.	0.	
PITTSBURGH/DANIELL														
REVENUES														
WITHOUT MX	75355.	75228.	77168.	78127.	79031.	79945.	80876.	81826.	82793.	83779.	84783.	85805.	86845.	
WITH MX	75355.	75254.	77482.	79186.	80732.	86589.	82337.	87005.	85625.	85223.	85022.	85038.	86076.	
P.L. R74	0.	0.	0.	131.	617.	98.	912.	381.	80.	80.	80.	80.	80.	
STATE	0.	0.	23.	451.	1916.	3246.	3295.	2532.	1475.	784.	584.	579.	578.	
LOCAL	0.	0.	150.	478.	1167.	2400.	2596.	2596.	1276.	590.	575.	574.	572.	
DIFFERENCE	0.	0.	174.	1059.	3701.	6624.	7361.	5580.	2831.	1944.	1238.	1238.	1231.	
PCT. DIFF.	0.00	0.00	0.23	1.36	4.68	8.29	9.13	5.82	3.42	1.77	1.46	1.46	1.42	
EXPENDITURES														
WITHOUT MX	75515.	77452.	78408.	79382.	80301.	81229.	82175.	83140.	84123.	85125.	86145.	87183.	88240.	
WITH MX	76515.	77146.	78684.	80098.	81471.	82841.	84331.	85771.	87271.	88724.	89271.	90821.	92371.	
DIFFERENCE	0.	0.	431.	1121.	1468.	6241.	5658.	4631.	1475.	1093.	1088.	1088.	1088.	
PCT. DIFF.	0.00	0.00	0.56	1.43	1.83	7.65	6.63	5.69	1.70	1.29	1.27	1.25	1.23	
MX INDUCED	0.	0.	-18.	-18.	-18.	-18.	-18.	-18.	-18.	-18.	-18.	-18.	-18.	
NET IMPACT	0.	0.	-18.	-18.	-18.	-18.	-18.	-18.	-18.	-18.	-18.	-18.	-18.	

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SHERMAN													
REVENUES													
WITHOUT MI	1732.	1741.	1750.	1759.	1768.	1777.	1786.	1795.	1809.	1822.	1840.	1858.	1877.
WITH MI	1732.	1741.	1750.	1760.	1768.	1787.	1796.	1806.	1815.	1822.	1840.	1858.	1877.
P.L. #74	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
STATE	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOCAL	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DIFFERENCE	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
PCT. DIFF.	0.00	0.00	0.00	0.12	0.66	3.94	11.28	15.16	8.78	1.62	0.00	0.00	0.00
EXPENDITURES													
WITHOUT MI	1760.	1769.	1778.	1787.	1796.	1806.	1815.	1824.	1838.	1852.	1870.	1888.	1907.
WITH MI	1760.	1769.	1778.	1791.	1812.	1910.	2064.	2063.	1893.	1852.	1870.	1888.	1907.
P.L. #74	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
STATE	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOCAL	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DIFFERENCE	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
PCT. DIFF.	0.00	0.00	0.00	0.70	0.89	5.77	13.73	13.08	2.98	0.00	0.00	0.00	0.00
MI INDUCED	0.	0.	0.	-1.	-4.	-34.	-48.	34.	104.	30.	0.	0.	0.
NET IMPACT	0.	0.	0.	-1.	-4.	-34.	-48.	34.	104.	30.	0.	0.	0.
SWISHER													
REVENUES													
WITHOUT MI	4779.	4798.	4816.	4838.	4870.	4906.	4942.	4978.	5015.	5069.	5123.	5177.	5232.
WITH MI	4779.	4798.	4816.	4843.	4894.	4951.	4988.	5004.	5021.	5069.	5123.	5177.	5232.
P.L. #74	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
STATE	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOCAL	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DIFFERENCE	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
PCT. DIFF.	0.00	0.00	0.00	0.11	0.49	0.92	0.92	0.51	0.13	0.00	0.00	0.00	0.00
EXPENDITURES													
WITHOUT MI	4856.	4875.	4893.	4916.	4948.	4985.	5022.	5058.	5095.	5150.	5205.	5261.	5316.
WITH MI	4856.	4875.	4893.	4925.	4980.	5033.	5055.	5071.	5095.	5150.	5205.	5261.	5316.
P.L. #74	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
STATE	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOCAL	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DIFFERENCE	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
PCT. DIFF.	0.00	0.00	0.00	0.18	0.64	0.96	0.67	0.24	0.00	0.00	0.00	0.00	0.00
MI INDUCED	0.	0.	0.	-4.	-8.	-3.	12.	13.	7.	0.	0.	0.	0.
NET IMPACT	0.	0.	0.	-4.	-8.	-3.	12.	13.	7.	0.	0.	0.	0.
CHAVES													
REVENUES													
WITHOUT MI	27795.	28242.	28699.	29162.	29572.	29993.	30420.	30851.	31288.	31678.	32058.	32463.	32863.
WITH MI	27795.	28242.	28699.	29162.	29572.	29993.	30420.	30851.	31288.	31678.	32058.	32463.	32863.
P.L. #74	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
STATE	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOCAL	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DIFFERENCE	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
PCT. DIFF.	0.00	0.00	0.00	0.15	0.44	0.94	1.11	0.31	0.00	0.00	0.00	0.00	0.00
EXPENDITURES													
WITHOUT MI	28111.	28564.	29026.	29494.	29909.	30335.	30766.	31203.	31644.	32039.	32433.	32833.	33237.
WITH MI	28111.	28564.	29026.	29494.	29909.	30335.	30766.	31203.	31644.	32039.	32433.	32833.	33237.
P.L. #74	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
STATE	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOCAL	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DIFFERENCE	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
PCT. DIFF.	0.00	0.00	0.00	0.03	0.86	1.97	0.39	0.00	0.00	0.00	0.00	0.00	0.00
MI INDUCED	0.	0.	0.	-1.	-5.	361.	222.	95.	0.	0.	0.	0.	0.
NET IMPACT	0.	0.	0.	-1.	-5.	361.	222.	95.	0.	0.	0.	0.	0.
CURRY													
REVENUES													
WITHOUT MI	22834.	22877.	22950.	23023.	23113.	23043.	23054.	23064.	23080.	23033.	22922.	22950.	22908.
WITH MI	22834.	22877.	22950.	23023.	23113.	23043.	23054.	23064.	23080.	23033.	22922.	22950.	22908.
P.L. #74	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
STATE	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOCAL	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DIFFERENCE	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
PCT. DIFF.	0.00	0.00	0.00	0.03	0.86	1.97	0.39	0.00	0.00	0.00	0.00	0.00	0.00
MI INDUCED	0.	0.	0.	-1.	-5.	361.	222.	95.	0.	0.	0.	0.	0.
NET IMPACT	0.	0.	0.	-1.	-5.	361.	222.	95.	0.	0.	0.	0.	0.

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EXPENDITURES													
WITHOUT MX	23064.	23138.	23285.	23296.	23306.	23317.	23327.	23333.	23296.	23254.	23211.	23169.	
WITH MX	24949.	27384.	34147.	34967.	34522.	35291.	35164.	34306.	34259.	34217.	34175.	34133.	
DIFFERENCE	1885.	4246.	7827.	11671.	11216.	11976.	11937.	10963.	10963.	10963.	10963.	10963.	
PCT. DIFF.	8.17	18.35	33.72	50.10	48.12	51.36	50.74	46.97	47.06	47.15	47.23	47.32	
MX INDUCED													
NET IMPACT	-441.	-865.	-308.	1683.	2657.	2972.	4037.	3208.	2504.	2505.	2505.	2505.	
DF HACA													
REVENUES													
WITHOUT MX	1352.	1352.	1352.	1336.	1326.	1315.	1305.	1300.	1300.	1300.	1300.	1300.	
WITH MX	1352.	1355.	1389.	1381.	1351.	1335.	1324.	1308.	1301.	1300.	1300.	1300.	
P.L. 874	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
STATE	0.	0.	26.	38.	21.	15.	16.	8.	2.	0.	0.	0.	
LOCAL	0.	3.	12.	6.	4.	5.	2.	0.	0.	0.	0.	0.	
DIFFERENCE	0.	3.	38.	45.	26.	20.	19.	9.	2.	0.	0.	0.	
PCT. DIFF.	0.00	0.23	1.43	3.40	1.92	1.49	1.44	0.66	0.13	0.00	0.00	0.00	
EXPENDITURES													
WITHOUT MX	1367.	1367.	1367.	1351.	1341.	1330.	1320.	1314.	1314.	1314.	1314.	1314.	
WITH MX	1367.	1391.	1415.	1371.	1359.	1350.	1330.	1316.	1316.	1314.	1314.	1314.	
P.L. 874	0.	14.	32.	26.	18.	20.	10.	2.	0.	0.	0.	0.	
STATE	0.	14.	49.	26.	18.	20.	10.	2.	0.	0.	0.	0.	
LOCAL	0.	14.	49.	26.	18.	20.	10.	2.	0.	0.	0.	0.	
DIFFERENCE	0.	14.	49.	26.	18.	20.	10.	2.	0.	0.	0.	0.	
PCT. DIFF.	0.00	1.04	3.55	1.95	1.36	1.52	0.77	0.15	0.00	0.00	0.00	0.00	
MX INDUCED													
NET IMPACT	0.	-11.	-13.	19.	7.	-1.	9.	7.	2.	0.	0.	0.	
HARDING													
REVENUES													
WITHOUT MX	546.	535.	520.	504.	494.	483.	473.	463.	442.	421.	400.	379.	
WITH MX	546.	535.	779.	2429.	3660.	1602.	583.	474.	442.	421.	400.	379.	
P.L. 874	0.	0.	50.	365.	554.	126.	0.	0.	0.	0.	0.	0.	
STATE	0.	0.	209.	1523.	2346.	588.	15.	11.	0.	0.	0.	0.	
LOCAL	0.	0.	0.	37.	266.	404.	95.	0.	0.	0.	0.	0.	
DIFFERENCE	0.	0.	259.	1925.	3166.	1118.	110.	12.	0.	0.	0.	0.	
PCT. DIFF.	0.00	0.00	49.84	381.78	641.07	231.32	23.29	2.51	0.00	0.00	0.00	0.00	
EXPENDITURES													
WITHOUT MX	552.	542.	526.	510.	499.	489.	478.	468.	447.	426.	405.	384.	
WITH MX	552.	542.	793.	2445.	3637.	1156.	493.	468.	447.	426.	405.	384.	
P.L. 874	0.	0.	267.	1935.	2938.	667.	14.	0.	0.	0.	0.	0.	
STATE	0.	0.	267.	1935.	2938.	667.	14.	0.	0.	0.	0.	0.	
LOCAL	0.	0.	267.	1935.	2938.	667.	14.	0.	0.	0.	0.	0.	
DIFFERENCE	0.	0.	267.	1935.	2938.	667.	14.	0.	0.	0.	0.	0.	
PCT. DIFF.	0.00	0.00	50.77	379.85	588.24	136.47	2.96	0.00	0.00	0.00	0.00	0.00	
MX INDUCED													
NET IMPACT	0.	0.	-8.	-10.	228.	451.	96.	12.	0.	0.	0.	0.	
QUAY													
REVENUES													
WITHOUT MX	5838.	5948.	5869.	5858.	5848.	5838.	5827.	5822.	5796.	5775.	5754.	5734.	
WITH MX	5838.	7036.	8840.	6517.	6310.	5004.	5906.	5825.	5796.	5775.	5754.	5734.	
P.L. 874	0.	230.	495.	42.	0.	0.	0.	0.	0.	0.	0.	0.	
STATE	0.	958.	2084.	731.	90.	143.	78.	3.	0.	0.	0.	0.	
LOCAL	0.	0.	168.	380.	73.	23.	1.	0.	0.	0.	0.	0.	
DIFFERENCE	0.	1184.	2747.	659.	162.	156.	79.	3.	0.	0.	0.	0.	
PCT. DIFF.	0.00	20.32	46.89	11.24	2.77	2.85	1.36	0.06	0.00	0.00	0.00	0.00	
EXPENDITURES													
WITHOUT MX	5904.	5915.	5936.	5925.	5915.	5904.	5894.	5888.	5862.	5841.	5820.	5799.	
WITH MX	5904.	7136.	8560.	6751.	6093.	5001.	5894.	5888.	5862.	5841.	5820.	5799.	
P.L. 874	0.	1232.	2625.	325.	178.	97.	4.	0.	0.	0.	0.	0.	
STATE	0.	20.65	44.30	5.49	3.01	1.64	7.07	0.00	0.00	0.00	0.00	0.00	
LOCAL	0.	0.	44.30	5.49	3.01	1.64	7.07	0.00	0.00	0.00	0.00	0.00	
DIFFERENCE	0.	1232.	2625.	325.	178.	97.	4.	0.	0.	0.	0.	0.	
PCT. DIFF.	0.00	20.65	44.30	5.49	3.01	1.64	7.07	0.00	0.00	0.00	0.00	0.00	
MX INDUCED													
NET IMPACT	0.	-13.	122.	333.	-16.	59.	75.	3.	0.	0.	0.	0.	
ROOSEVELT													
REVENUES													

Table 2.1-27. (Page 7 of 7)

WITHOUT MX	8634.	8665.	8697.	8733.	8769.	8811.	8852.	8894.	8941.	8977.	9019.	9060.	9102.
WITH MX	8656.	8801.	9293.	10923.	11381.	11840.	12477.	10128.	9585.	9374.	9374.	9410.	9452.
P.L. 874	0.	0.	58.	335.	360.	436.	574.	96.	0.	0.	0.	0.	0.
STATE	0.	77.	445.	1720.	1850.	2254.	2720.	576.	476.	336.	275.	271.	271.
LOCAL	22.	59.	94.	134.	361.	339.	350.	556.	168.	81.	79.	79.	79.
DIFFERENCE	22.	136.	597.	2190.	2572.	3029.	3625.	1230.	645.	417.	355.	350.	350.
PCT. DIFF.	0.26	1.57	6.86	25.07	29.33	34.38	40.94	13.82	7.21	4.64	3.93	3.86	3.86
EXPENDITURES													
WITHOUT MX	8733.	8744.	8796.	8832.	8869.	8911.	8953.	8795.	9043.	9080.	9122.	9164.	9206.
WITH MX	8828.	9015.	9501.	10998.	11275.	11546.	12138.	10081.	9459.	9421.	9457.	9499.	9541.
DIFFERENCE	95.	281.	706.	2166.	2406.	2635.	3185.	1086.	417.	342.	336.	336.	336.
PCT. DIFF.	1.09	2.86	8.07	24.52	27.13	29.57	35.57	12.07	4.61	3.76	3.68	3.66	3.65
MX INDUCED													
NET IMPACT	-73.	-115.	-109.	26.	166.	395.	440.	144.	228.	75.	19.	14.	14.
UNION													
REVENUES													
WITHOUT MX	2521.	2511.	2500.	2495.	2500.	2511.	2521.	2532.	2547.	2547.	2547.	2547.	2547.
WITH MX	2521.	2511.	2500.	2495.	2506.	2542.	2583.	2592.	2570.	2547.	2547.	2547.	2547.
P.L. 874	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
STATE	0.	0.	0.	0.	0.	18.	46.	54.	23.	0.	0.	0.	0.
LOCAL	0.	0.	0.	0.	5.	13.	16.	7.	0.	0.	0.	0.	0.
DIFFERENCE	0.	0.	0.	0.	5.	31.	62.	61.	23.	0.	0.	0.	0.
PCT. DIFF.	0.00	0.00	0.00	0.00	0.22	1.24	2.44	2.39	0.90	0.00	0.00	0.00	0.00
EXPENDITURES													
WITHOUT MX	2550.	2539.	2529.	2524.	2529.	2539.	2550.	2560.	2576.	2576.	2576.	2576.	2576.
WITH MX	2550.	2539.	2529.	2524.	2531.	2535.	2517.	2589.	2576.	2576.	2576.	2576.	2576.
DIFFERENCE	0.	0.	0.	0.	22.	57.	67.	28.	0.	0.	0.	0.	0.
PCT. DIFF.	0.00	0.00	0.00	0.00	0.88	2.23	2.62	1.11	0.00	0.00	0.00	0.00	0.00
MX INDUCED													
NET IMPACT	0.	0.	0.	0.	-17.	-26.	-5.	32.	23.	0.	0.	0.	0.
REGIONAL TOTAL													
REVENUES													
WITHOUT MX	322979.	326323.	329723.	333202.	336223.	339334.	342486.	345580.	348959.	352259.	355627.	359037.	362489.
WITH MX	324445.	331058.	341222.	355717.	371587.	383969.	392669.	395395.	377763.	376090.	378667.	381999.	385442.
P.L. 874	256.	675.	1770.	3703.	6163.	7923.	8690.	7949.	6914.	6914.	6914.	6914.	6914.
STATE	1063.	3338.	7858.	14988.	22178.	26533.	27191.	22231.	16888.	14311.	13593.	13522.	13517.
LOCAL	147.	722.	1872.	3823.	7023.	10780.	11302.	9534.	4901.	2606.	2532.	2526.	2522.
DIFFERENCE	1456.	4715.	11500.	22515.	35364.	44635.	47182.	39715.	28004.	23831.	23039.	22962.	22953.
PCT. DIFF.	0.45	1.45	3.49	6.76	10.52	13.15	11.78	11.49	8.25	6.77	6.48	6.40	6.33
EXPENDITURES													
WITHOUT MX	327842.	331218.	334689.	338222.	341289.	344449.	347642.	350892.	354222.	357572.	360993.	364457.	367962.
WITH MX	329822.	337016.	346863.	362011.	376544.	385823.	389204.	381133.	375265.	377306.	380595.	384050.	387550.
DIFFERENCE	1940.	5798.	12173.	23789.	35254.	43774.	43555.	30241.	19742.	19742.	19593.	19588.	19588.
PCT. DIFF.	0.60	1.74	3.64	7.03	10.33	12.01	11.67	8.62	5.94	5.52	5.43	5.38	5.32
MX INDUCED													
NET IMPACT	-514.	-1044.	-674.	-1275.	110.	3261.	5628.	9474.	7760.	4097.	3417.	3369.	3365.

SOURCE: MON SCIENCES
 (1) ESTIMATES REFLECT AGGREGATE REVENUES AND EXPENDITURES BY ALL SCHOOL DISTRICTS WITHIN THE COUNTY.

30-OCT-80

Table 2.1-28. (Page 1 of 7)

SCHOOL DISTRICT REVENUES, EXPENDITURES, AND NET IMPACTS (THOUSANDS FY 1987 \$) (1) BASELINE; (2) ALTERNATIVE 88

	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
HAILEY													
REVENUES													
WITHOUT MX	3767.	3776.	3785.	3798.	3803.	3812.	3821.	3830.	3839.	3843.	3843.	3843.	3843.
WITH 4X	3757.	3776.	3785.	3810.	3877.	3976.	3985.	3911.	3859.	3843.	3843.	3843.	3843.
P.L. 874	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
STATE	0.	0.	0.	0.	10.	57.	97.	61.	19.	0.	0.	0.	0.
LOCAL	0.	0.	0.	12.	63.	107.	67.	20.	1.	0.	0.	0.	0.
DIFFERENCE	0.	0.	0.	12.	74.	164.	164.	81.	20.	1.	0.	0.	0.
PCT. DIFF.	0.00	0.00	0.00	0.31	1.94	4.31	4.30	2.13	0.51	0.02	0.00	0.00	0.00
EXPENDITURES													
WITHOUT MX	3827.	3836.	3845.	3859.	3866.	3873.	3882.	3891.	3901.	3905.	3905.	3905.	3905.
WITH 4X	3827.	3836.	3845.	3879.	3972.	4055.	3997.	3927.	3902.	3905.	3905.	3905.	3905.
DIFFERENCE	0.	0.	0.	19.	108.	182.	115.	35.	2.	0.	0.	0.	0.
PCT. DIFF.	0.00	0.00	0.00	0.50	2.79	4.70	2.96	0.91	0.05	0.00	0.00	0.00	0.00
MX INDUCED	0.	0.	0.	-8.	-34.	-18.	49.	46.	18.	1.	0.	0.	0.
NET IMPACT	0.	0.	0.	-8.	-34.	-18.	49.	46.	18.	1.	0.	0.	0.
CASTRO													
REVENUES													
WITHOUT MX	4779.	4798.	4816.	4838.	4870.	4906.	4942.	4978.	5015.	5060.	5105.	5150.	5195.
WITH 4X	4779.	4798.	4816.	4838.	4870.	4906.	5034.	5032.	5025.	5060.	5105.	5150.	5195.
P.L. 874	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
STATE	0.	0.	0.	0.	0.	10.	45.	42.	10.	0.	0.	0.	0.
LOCAL	0.	0.	0.	0.	11.	49.	46.	11.	0.	0.	0.	0.	0.
DIFFERENCE	0.	0.	0.	0.	11.	60.	91.	53.	10.	0.	0.	0.	0.
PCT. DIFF.	0.00	0.00	0.00	0.00	0.23	1.22	1.85	1.07	0.21	0.00	0.00	0.00	0.00
EXPENDITURES													
WITHOUT MX	4856.	4875.	4893.	4916.	4948.	4985.	5022.	5058.	5095.	5141.	5187.	5233.	5279.
WITH 4X	4856.	4875.	4893.	4916.	4948.	5070.	5101.	5078.	5095.	5141.	5187.	5233.	5279.
DIFFERENCE	0.	0.	0.	0.	19.	85.	80.	19.	0.	0.	0.	0.	0.
PCT. DIFF.	0.00	0.00	0.00	0.00	0.39	1.70	1.59	0.38	0.00	0.00	0.00	0.00	0.00
MX INDUCED	0.	0.	0.	0.	-8.	-25.	12.	34.	10.	0.	0.	0.	0.
NET IMPACT	0.	0.	0.	0.	-8.	-25.	12.	34.	10.	0.	0.	0.	0.
CUCHARAN													
REVENUES													
WITHOUT MX	2351.	2351.	2351.	2351.	2351.	2351.	2351.	2351.	2351.	2351.	2351.	2351.	2351.
WITH 4X	2351.	2351.	2351.	2354.	2355.	2393.	2380.	2359.	2351.	2365.	2383.	2401.	2419.
P.L. 874	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
STATE	0.	0.	0.	0.	3.	19.	21.	8.	0.	0.	0.	0.	0.
LOCAL	0.	0.	0.	3.	21.	23.	8.	0.	0.	0.	0.	0.	0.
DIFFERENCE	0.	0.	0.	3.	24.	42.	29.	8.	0.	0.	0.	0.	0.
PCT. DIFF.	0.00	0.00	0.00	0.11	1.00	1.78	1.23	0.32	0.00	0.00	0.00	0.00	0.00
EXPENDITURES													
WITHOUT MX	2389.	2389.	2389.	2389.	2389.	2389.	2389.	2389.	2389.	2403.	2421.	2440.	2458.
WITH 4X	2389.	2389.	2389.	2394.	2424.	2428.	2433.	2389.	2389.	2403.	2421.	2440.	2458.
DIFFERENCE	0.	0.	0.	5.	35.	39.	14.	0.	0.	0.	0.	0.	0.
PCT. DIFF.	0.00	0.00	0.00	0.22	1.48	1.63	0.59	0.00	0.00	0.00	0.00	0.00	0.00
MX INDUCED	0.	0.	0.	-3.	-12.	1.	15.	8.	0.	0.	0.	0.	0.
NET IMPACT	0.	0.	0.	-3.	-12.	1.	15.	8.	0.	0.	0.	0.	0.
DALLAN													
REVENUES													
WITHOUT MX	3027.	3134.	3170.	3210.	3242.	3278.	3314.	3351.	3391.	3441.	3495.	3550.	3604.

Table 2.1-28. (Page 2 of 7)

WITH MX	3097.	3134.	3170.	3210.	3129.	3860.	4685.	4184.	3685.	3446.	3495.	3550.	3604.
P.L. 874	0.	0.	0.	0.	26.	157.	326.	175.	0.	0.	0.	0.	0.
STATE	0.	0.	0.	0.	61.	383.	793.	442.	12.	5.	0.	0.	0.
LOCAL	0.	0.	0.	0.	0.	40.	251.	516.	282.	0.	0.	0.	0.
DIFFERENCE	0.	0.	0.	0.	87.	582.	1370.	1133.	294.	5.	0.	0.	0.
PCT. DIFF.	0.00	0.00	0.00	0.00	2.67	17.75	41.35	33.83	8.67	0.14	0.00	0.00	0.00
EXPENDITURES													
WITHOUT MX	3147.	3184.	3221.	3262.	3794.	3331.	3358.	3404.	3446.	3496.	3551.	3607.	3662.
WITH MX	3147.	3184.	3221.	3262.	3413.	4068.	4880.	4217.	3455.	3496.	3551.	3607.	3662.
DIFFERENCE	0.	0.	0.	0.	118.	737.	1513.	813.	9.	0.	0.	0.	0.
PCT. DIFF.	0.00	0.00	0.00	0.00	3.59	22.12	44.91	23.88	0.26	0.00	0.00	0.00	0.00
MX INDUCED	0.	0.	0.	0.	-32.	-155.	-142.	321.	285.	5.	0.	0.	0.
NET IMPACT	0.	0.	0.	0.	-32.	-155.	-142.	321.	285.	5.	0.	0.	0.
DEAF SMITH													
REVENUES													
WITHOUT MX	9030.	9093.	9157.	9224.	9319.	9419.	9518.	9518.	9722.	9835.	9952.	10070.	10188.
WITH MX	9030.	9093.	9161.	9202.	10345.	9922.	9693.	9692.	9724.	9835.	9952.	10070.	10188.
P.L. 874	0.	0.	1.	140.	234.	0.	0.	0.	0.	0.	0.	0.	0.
STATE	0.	0.	3.	335.	570.	16.	106.	53.	2.	0.	0.	0.	0.
LOCAL	0.	0.	0.	2.	221.	488.	69.	2.	0.	0.	0.	0.	0.
DIFFERENCE	0.	0.	5.	478.	1026.	503.	175.	65.	2.	0.	0.	0.	0.
PCT. DIFF.	0.00	0.00	0.05	5.18	11.01	5.34	1.84	0.67	0.02	0.00	0.00	0.00	0.00
EXPENDITURES													
WITHOUT MX	9175.	9239.	9304.	9373.	9459.	9570.	9671.	9772.	9878.	9993.	10112.	10232.	10351.
WITH MX	9175.	9239.	9311.	10021.	10534.	9770.	9790.	9776.	9878.	9993.	10112.	10232.	10351.
DIFFERENCE	0.	0.	7.	648.	1085.	200.	118.	4.	0.	0.	0.	0.	0.
PCT. DIFF.	0.00	0.00	0.08	6.92	11.46	2.09	1.22	0.04	0.00	0.00	0.00	0.00	0.00
MX INDUCED	0.	0.	-2.	-171.	-59.	303.	57.	61.	2.	0.	0.	0.	0.
NET IMPACT	0.	0.	-2.	-171.	-59.	303.	57.	61.	2.	0.	0.	0.	0.
HALE													
REVENUES													
WITHOUT MX	17219.	17400.	17585.	17771.	17956.	18141.	18331.	18526.	18716.	18955.	19195.	19439.	19688.
WITH MX	17219.	17400.	17585.	17771.	17956.	18167.	18352.	18532.	18716.	18955.	19195.	19439.	19688.
P.L. 874	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
STATE	0.	0.	0.	0.	0.	0.	23.	7.	0.	0.	0.	0.	0.
LOCAL	0.	0.	0.	0.	0.	26.	7.	7.	0.	0.	0.	0.	0.
DIFFERENCE	0.	0.	0.	0.	0.	26.	31.	7.	0.	0.	0.	0.	0.
PCT. DIFF.	0.00	0.00	0.00	0.00	0.00	0.14	0.17	0.04	0.00	0.00	0.00	0.00	0.00
EXPENDITURES													
WITHOUT MX	17495.	17679.	17868.	18056.	18244.	18433.	18626.	18823.	19016.	19260.	19503.	19751.	20004.
WITH MX	17495.	17679.	17868.	18056.	18244.	18477.	18618.	18823.	19016.	19260.	19503.	19751.	20004.
DIFFERENCE	0.	0.	0.	0.	0.	44.	12.	0.	0.	0.	0.	0.	0.
PCT. DIFF.	0.00	0.00	0.00	0.00	0.00	0.24	0.07	0.00	0.00	0.00	0.00	0.00	0.00
MX INDUCED	0.	0.	0.	0.	0.	-18.	18.	7.	0.	0.	0.	0.	0.
NET IMPACT	0.	0.	0.	0.	0.	-18.	18.	7.	0.	0.	0.	0.	0.
HARTLEY													
REVENUES													
WITHOUT MX	1650.	1687.	1723.	1759.	1795.	1831.	1867.	1904.	1940.	1976.	2012.	2048.	2085.
WITH MX	1650.	1687.	1723.	1760.	1796.	1831.	1867.	1904.	1940.	1976.	2012.	2048.	2085.
P.L. 874	0.	0.	0.	0.	44.	250.	274.	70.	0.	0.	0.	0.	0.
STATE	0.	0.	0.	0.	106.	603.	674.	188.	5.	1.	0.	0.	0.
LOCAL	0.	0.	0.	1.	0.	70.	396.	434.	112.	0.	0.	0.	0.
DIFFERENCE	0.	0.	0.	1.	151.	924.	1345.	592.	117.	0.	0.	0.	0.
PCT. DIFF.	0.00	0.00	0.00	0.04	8.38	50.43	72.02	35.16	6.04	0.05	0.00	0.00	0.00
EXPENDITURES													
WITHOUT MX	1677.	1714.	1750.	1787.	1824.	1861.	1897.	1934.	1971.	2008.	2045.	2081.	2118.
WITH MX	1677.	1714.	1750.	1787.	1824.	1861.	1897.	1934.	1971.	2008.	2045.	2081.	2118.
DIFFERENCE	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

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PCT. DIFF.	0.09	0.00	0.00	0.10	11.24	62.39	67.05	15.90	0.09	0.00	0.00	0.00	0.00	0.00
MX INDUCED	0.	0.	0.	-1.	-54.	-237.	73.	365.	115.	1.	0.	0.	0.	0.
NET IMPACT														
HOCKEY														
REVENUES														
WITHOUT MX	9826.	9880.	9934.	9980.	10034.	10079.	10124.	10169.	10219.	10278.	10341.	10405.	10468.	10488.
WITH MX	9826.	9880.	9934.	9995.	10076.	10155.	10187.	10196.	10224.	10278.	10341.	10405.	10468.	10488.
P.L. 874	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
STATE	0.	0.	0.	0.	0.	33.	39.	22.	5.	0.	0.	0.	0.	0.
LOCAL	0.	0.	0.	7.	36.	43.	24.	5.	0.	0.	0.	0.	0.	0.
DIFFERENCE	0.	0.	0.	7.	43.	76.	63.	26.	5.	0.	0.	0.	0.	0.
PCT. DIFF.	0.09	0.00	0.00	0.07	0.42	0.76	0.62	0.26	0.05	0.00	0.00	0.00	0.00	0.00
EXPENDITURES														
WITHOUT MX	9984.	10039.	10094.	10149.	10195.	10241.	10287.	10333.	10383.	10443.	10507.	10572.	10636.	10636.
WITH MX	9984.	10039.	10094.	10161.	10257.	10315.	10327.	10342.	10383.	10443.	10507.	10572.	10636.	10636.
DIFFERENCE	0.	0.	0.	12.	62.	74.	41.	9.	0.	0.	0.	0.	0.	0.
PCT. DIFF.	0.00	0.00	0.00	0.12	0.61	0.72	0.40	0.09	0.00	0.00	0.00	0.00	0.00	0.00
MX INDUCED	0.	0.	0.	-6.	-19.	2.	22.	18.	5.	0.	0.	0.	0.	0.
NET IMPACT														
LAMB														
REVENUES														
WITHOUT MX	7858.	7868.	7868.	7868.	7854.	7845.	7836.	7827.	7818.	7823.	7823.	7823.	7823.	7823.
WITH MX	7868.	7868.	7868.	7868.	7867.	7893.	7800.	7846.	7818.	7823.	7823.	7823.	7823.	7823.
P.L. 874	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
STATE	0.	0.	0.	0.	0.	11.	33.	19.	0.	0.	0.	0.	0.	0.
LOCAL	0.	0.	0.	0.	12.	36.	21.	0.	0.	0.	0.	0.	0.	0.
DIFFERENCE	0.	0.	0.	0.	12.	47.	54.	19.	0.	0.	0.	0.	0.	0.
PCT. DIFF.	0.00	0.00	0.00	0.00	0.16	0.60	0.69	0.24	0.00	0.00	0.00	0.00	0.00	0.00
EXPENDITURES														
WITHOUT MX	7994.	7994.	7994.	7994.	7980.	7971.	7962.	7953.	7944.	7948.	7948.	7948.	7948.	7948.
WITH MX	7994.	7994.	7994.	7994.	8002.	8033.	7997.	7953.	7944.	7948.	7948.	7948.	7948.	7948.
DIFFERENCE	0.	0.	0.	0.	21.	62.	35.	0.	0.	0.	0.	0.	0.	0.
PCT. DIFF.	0.00	0.00	0.00	0.00	0.27	0.78	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MX INDUCED	0.	0.	0.	0.	-9.	-14.	19.	19.	0.	0.	0.	0.	0.	0.
NET IMPACT														
LUREDOCK														
REVENUES														
WITHOUT MX	99587.	101007.	102449.	103005.	105690.	106288.	107500.	108726.	109855.	111213.	112474.	113749.	115038.	115038.
WITH MX	99587.	101007.	102491.	104195.	105971.	107656.	108796.	109583.	110319.	111276.	112441.	113751.	115038.	115038.
P.L. 874	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
STATE	0.	0.	0.	38.	228.	593.	703.	538.	290.	58.	5.	2.	0.	0.
LOCAL	0.	0.	41.	252.	653.	775.	593.	319.	64.	5.	2.	0.	0.	0.
DIFFERENCE	0.	0.	41.	289.	661.	1368.	1296.	458.	355.	63.	6.	2.	0.	0.
PCT. DIFF.	0.00	0.00	0.04	0.28	0.83	1.29	1.21	0.79	0.32	0.06	0.01	0.00	0.00	0.00
EXPENDITURES														
WITHOUT MX	101147.	102629.	104095.	105574.	106778.	107996.	109227.	110472.	111731.	112999.	114241.	115576.	116886.	116886.
WITH MX	101147.	102629.	104166.	106004.	107803.	109319.	110219.	111018.	111840.	113008.	114284.	115576.	116886.	116886.
DIFFERENCE	0.	0.	71.	429.	1115.	1323.	1012.	546.	110.	9.	4.	0.	0.	0.
PCT. DIFF.	0.00	0.00	0.07	0.41	1.04	1.23	0.93	0.49	0.10	0.01	0.00	0.00	0.00	0.00
MX INDUCED	0.	0.	-29.	-140.	-214.	44.	284.	312.	245.	55.	3.	2.	0.	0.
NET IMPACT														
MUDRA														
REVENUES														
WITHOUT MX	6620.	6631.	6631.	6631.	6631.	6700.	6796.	6832.	6869.	6914.	6959.	7004.	7049.	7049.
WITH MX	6620.	6631.	6631.	6631.	6631.	6700.	6796.	6832.	6869.	6914.	6959.	7004.	7049.	7049.
P.L. 874	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
STATE	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOCAL	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DIFFERENCE	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
PCT. DIFF.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EXPENDITURES														
WITHOUT MX	7010.	7010.	7010.	7010.	7010.	7010.	7010.	7010.	7010.	7010.	7010.	7010.	7010.	7010.
WITH MX	7010.	7010.	7010.	7010.	7010.	7010.	7010.	7010.	7010.	7010.	7010.	7010.	7010.	7010.
DIFFERENCE	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
PCT. DIFF.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MX INDUCED	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
NET IMPACT														

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SHERMAN													
REVENUES													
WITHOUT MX	1732.	1741.	1750.	1759.	1768.	1777.	1786.	1795.	1809.	1822.	1840.	1858.	1877.
WITH MX	1732.	1741.	1750.	1759.	1768.	1777.	1786.	1795.	1809.	1822.	1840.	1858.	1877.
P.L. 874	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
STATE	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOCAL	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DIFFERENCE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EXPENDITURES													
WITHOUT MX	1760.	1769.	1778.	1787.	1796.	1806.	1815.	1824.	1838.	1852.	1870.	1888.	1907.
WITH MX	1760.	1769.	1778.	1787.	1796.	1806.	1815.	1824.	1838.	1852.	1870.	1888.	1907.
P.L. 874	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
STATE	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOCAL	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DIFFERENCE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PCT. DIFF.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MX INDUCED	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
NET IMPACT	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
SALISHER													
REVENUES													
WITHOUT MX	4779.	4798.	4816.	4838.	4870.	4905.	4942.	4978.	5015.	5069.	5123.	5177.	5232.
WITH MX	4779.	4798.	4816.	4838.	4870.	4905.	4942.	4978.	5015.	5069.	5123.	5177.	5232.
P.L. 874	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
STATE	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOCAL	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DIFFERENCE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PCT. DIFF.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EXPENDITURES													
WITHOUT MX	4856.	4875.	4893.	4916.	4948.	4985.	5022.	5058.	5095.	5150.	5205.	5261.	5316.
WITH MX	4856.	4875.	4893.	4916.	4948.	4985.	5022.	5058.	5095.	5150.	5205.	5261.	5316.
P.L. 874	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
STATE	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOCAL	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DIFFERENCE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PCT. DIFF.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MX INDUCED	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
NET IMPACT	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
CHAVES													
REVENUES													
WITHOUT MX	27795.	28242.	28699.	29162.	29572.	29993.	30420.	30851.	31288.	31678.	32068.	32463.	32863.
WITH MX	27795.	28242.	28699.	29162.	29572.	29993.	30420.	30851.	31288.	31678.	32068.	32463.	32863.
P.L. 874	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
STATE	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOCAL	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DIFFERENCE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PCT. DIFF.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EXPENDITURES													
WITHOUT MX	28111.	28564.	29026.	29494.	29909.	30315.	30766.	31203.	31644.	32039.	32433.	32833.	33237.
WITH MX	28111.	28564.	29026.	29494.	29909.	30315.	30766.	31203.	31644.	32039.	32433.	32833.	33237.
P.L. 874	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
STATE	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOCAL	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DIFFERENCE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PCT. DIFF.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MX INDUCED	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
NET IMPACT	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
CUNRY													
REVENUES													
WITHOUT MX	22804.	22877.	22950.	23023.	23103.	23043.	23054.	23064.	23080.	23033.	22992.	22950.	22908.
WITH MX	23132.	23142.	23036.	23432.	23521.	23630.	23728.	23849.	23917.	23935.	23996.	24052.	24111.
P.L. 874	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
STATE	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOCAL	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DIFFERENCE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PCT. DIFF.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MX INDUCED	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
NET IMPACT	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

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EXPENDITURES													
WITHOUT MX	23064.	23138.	23211.	23285.	23296.	23306.	23317.	23327.	23343.	23296.	23254.	23211.	23169.
WITH MX	24878.	27156.	30774.	33387.	34406.	34152.	35149.	34946.	34173.	34125.	34083.	34041.	33999.
DIFFERENCE	1814.	4018.	7562.	10102.	11111.	10866.	11831.	11618.	10830.	10830.	10830.	10830.	10830.
PCT. DIFF.	7.46	17.46	32.54	43.38	47.70	46.54	50.75	49.81	46.39	46.49	46.57	46.66	46.74
MX INDUCED													
NET IMPACT	-436.	-753.	-148.	308.	1477.	2431.	2841.	3966.	3107.	2472.	2472.	2473.	2473.
OF 9ACA													
REVENUES													
WITHOUT MX	1352.	1352.	1352.	1352.	1336.	1326.	1315.	1305.	1300.	1300.	1300.	1300.	1300.
WITH MX	1352.	1352.	1352.	1352.	1339.	1337.	1345.	1355.	1333.	1306.	1300.	1300.	1300.
P.L. 874	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
STATE	0.	0.	0.	0.	2.	7.	18.	41.	31.	7.	0.	0.	0.
LOCAL	0.	0.	0.	0.	2.	5.	12.	9.	2.	0.	0.	0.	0.
DIFFERENCE	0.	0.	0.	0.	3.	12.	30.	50.	33.	7.	0.	0.	0.
PCT. DIFF.	0.00	0.00	0.00	0.02	0.26	0.90	2.25	3.83	2.54	0.51	0.00	0.00	0.00
EXPENDITURES													
WITHOUT MX	1367.	1367.	1367.	1367.	1351.	1341.	1330.	1320.	1314.	1314.	1314.	1314.	1314.
WITH MX	1367.	1367.	1367.	1369.	1359.	1363.	1381.	1358.	1322.	1314.	1314.	1314.	1314.
DIFFERENCE	0.	0.	0.	2.	8.	22.	51.	38.	8.	0.	0.	0.	0.
PCT. DIFF.	0.00	0.00	0.00	0.15	0.60	1.66	3.80	2.91	0.62	0.00	0.00	0.00	0.00
MX INDUCED													
NET IMPACT	0.	0.	0.	-2.	-5.	-10.	-21.	12.	25.	7.	0.	0.	0.
HANDING													
REVENUES													
WITHOUT MX	546.	535.	525.	520.	504.	494.	483.	473.	463.	442.	421.	400.	379.
WITH MX	546.	535.	525.	908.	3035.	3367.	895.	492.	464.	442.	421.	400.	379.
P.L. 874	0.	0.	0.	75.	478.	478.	0.	0.	0.	0.	0.	0.	0.
STATE	0.	0.	0.	313.	1998.	2046.	57.	18.	2.	0.	0.	0.	0.
LOCAL	0.	0.	0.	0.	55.	349.	354.	1.	0.	0.	0.	0.	0.
DIFFERENCE	0.	0.	0.	389.	2531.	2873.	412.	19.	2.	0.	0.	0.	0.
PCT. DIFF.	0.00	0.00	0.00	74.76	501.99	581.79	85.13	3.91	0.35	0.00	0.00	0.00	0.00
EXPENDITURES													
WITHOUT MX	552.	542.	531.	526.	510.	499.	489.	478.	468.	447.	426.	405.	384.
WITH MX	552.	542.	531.	926.	3048.	3037.	511.	480.	468.	447.	426.	405.	384.
DIFFERENCE	0.	0.	0.	400.	2538.	2538.	22.	2.	0.	0.	0.	0.	0.
PCT. DIFF.	0.00	0.00	0.00	76.15	497.60	508.08	4.55	0.42	0.00	0.00	0.00	0.00	0.00
MX INDUCED													
NET IMPACT	0.	0.	0.	-12.	-6.	335.	389.	16.	2.	0.	0.	0.	0.
QUAY													
REVENUES													
WITHOUT MX	5838.	5848.	5858.	5869.	5858.	5848.	5838.	5827.	5822.	5796.	5775.	5754.	5734.
WITH MX	5838.	5848.	5858.	6407.	8104.	8463.	6207.	5837.	5822.	5796.	5775.	5754.	5734.
P.L. 874	0.	0.	0.	104.	457.	432.	0.	0.	0.	0.	0.	0.	0.
STATE	0.	0.	0.	434.	1912.	1850.	51.	10.	0.	0.	0.	0.	0.
LOCAL	0.	0.	0.	0.	76.	334.	318.	0.	0.	0.	0.	0.	0.
DIFFERENCE	0.	0.	0.	539.	2446.	2615.	369.	10.	0.	0.	0.	0.	0.
PCT. DIFF.	0.00	0.00	0.00	9.18	41.74	44.72	6.33	0.17	0.00	0.00	0.00	0.00	0.00
EXPENDITURES													
WITHOUT MX	5934.	5915.	5925.	5936.	5925.	5915.	5901.	5894.	5888.	5862.	5841.	5820.	5799.
WITH MX	5934.	5915.	5925.	6490.	8149.	8206.	5916.	5894.	5888.	5862.	5841.	5820.	5799.
DIFFERENCE	0.	0.	0.	554.	2474.	2291.	12.	0.	0.	0.	0.	0.	0.
PCT. DIFF.	0.00	0.00	0.00	9.33	40.92	38.73	0.21	0.00	0.00	0.00	0.00	0.00	0.00
MX INDUCED													
NET IMPACT	0.	0.	0.	-16.	71.	374.	357.	10.	0.	0.	0.	0.	0.
ROOSEVELT													
REVENUES													

Table 2.1-28. (Page 7 of 7)

WITHOUT MX	8634.	8665.	8697.	8733.	8769.	8811.	8852.	8894.	8941.	8977.	9019.	9060.	9102.
WITH MX	8655.	8789.	8968.	9191.	10278.	12039.	11383.	9551.	9514.	9373.	9367.	9404.	9446.
P.L. 874	0.	0.	0.	0.	172.	499.	0.	0.	0.	0.	0.	0.	0.
STATE	0.	72.	178.	318.	1193.	2574.	1715.	244.	481.	316.	271.	266.	266.
LOCAL	21.	52.	93.	140.	140.	156.	423.	413.	93.	79.	78.	78.	78.
DIFFERENCE	21.	124.	271.	458.	1505.	3228.	2510.	557.	574.	395.	349.	344.	344.
PCT. DIFF.	0.24	1.43	3.12	5.25	17.16	36.64	28.35	7.39	6.42	4.40	3.86	3.79	3.77
EXPENDITURES													
WITHOUT MX	8733.	8764.	8796.	8832.	8869.	8911.	8953.	8995.	9043.	9080.	9122.	9164.	9206.
WITH MX	8822.	8985.	9190.	9437.	10374.	11588.	11150.	9592.	9435.	9415.	9451.	9493.	9535.
DIFFERENCE	89.	220.	394.	594.	1504.	2776.	2226.	596.	392.	330.	330.	330.	330.
PCT. DIFF.	1.02	2.51	4.48	6.73	16.96	31.15	24.85	6.63	4.34	3.70	3.61	3.60	3.58
MX INDUCED													
NET IMPACT	-68.	-97.	-123.	-136.	0.	452.	284.	60.	181.	60.	19.	14.	14.
UNION													
REVENUES													
WITHOUT MX	2521.	2511.	2500.	2495.	2500.	2511.	2521.	2532.	2547.	2547.	2547.	2547.	2547.
WITH MX	2521.	2511.	2500.	2495.	2500.	2511.	2521.	2532.	2547.	2547.	2547.	2547.	2547.
P.L. 874	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
STATE	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
LOCAL	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
DIFFERENCE	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
PCT. DIFF.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EXPENDITURES													
WITHOUT MX	2550.	2539.	2529.	2524.	2529.	2539.	2550.	2560.	2576.	2576.	2576.	2576.	2576.
WITH MX	2550.	2539.	2529.	2524.	2529.	2539.	2550.	2560.	2576.	2576.	2576.	2576.	2576.
DIFFERENCE	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
PCT. DIFF.	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MX INDUCED													
NET IMPACT	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
REGIONAL TOTAL													
REVENUES													
WITHOUT MX	322979.	326323.	329723.	333202.	336223.	339334.	342486.	345680.	348959.	352259.	355627.	359037.	362489.
WITH MX	324377.	329711.	337512.	346352.	359098.	367178.	373431.	378890.	384176.	389174.	393874.	398221.	402221.
P.L. 874	283.	432.	1223.	2231.	3908.	4610.	4977.	4567.	3996.	3996.	3996.	3996.	3996.
STATE	1010.	2319.	5396.	8938.	15541.	18595.	17115.	14369.	10498.	9201.	9050.	9041.	9038.
LOCAL	115.	637.	1179.	1981.	3471.	4439.	4253.	3274.	1512.	709.	702.	699.	698.
DIFFERENCE	1399.	3388.	7789.	13150.	22475.	27844.	25945.	22209.	16006.	13906.	11748.	13737.	13732.
PCT. DIFF.	0.43	1.04	2.36	3.95	6.80	8.21	7.87	6.42	4.59	3.95	3.87	3.83	3.79
EXPENDITURES													
WITHOUT MX	327842.	331238.	334689.	338222.	341289.	344448.	347649.	350892.	354222.	357572.	360993.	364457.	367982.
WITH MX	329745.	335470.	342823.	351730.	363419.	368731.	373120.	378337.	383729.	388829.	393738.	398294.	402597.
DIFFERENCE	1903.	4238.	8133.	13508.	22130.	24282.	22471.	16145.	11508.	11257.	11248.	11235.	11235.
PCT. DIFF.	0.58	1.28	2.43	3.99	6.48	7.05	6.45	4.60	3.25	3.15	3.11	3.08	3.05
MX INDUCED													
NET IMPACT	-504.	-950.	-344.	-358.	745.	3562.	4473.	6064.	4498.	2648.	2504.	2500.	2497.

SOURCE: HDP SCIENCES

(1) ESTIMATES EFFECT AGGREGATE REVENUES AND EXPENDITURES BY ALL SCHOOL DISTRICTS WITHIN THE COUNTY.

10-OCT-80

Table 2.1-29. (Page 1 of 4)

UNITED STATES DEPARTMENT OF TRANSPORTATION
BUREAU OF PUBLIC ROADS
WASHINGTON, D. C.

UNITED STATES DEPARTMENT OF TRANSPORTATION
BUREAU OF PUBLIC ROADS
WASHINGTON, D. C.

SERVICE	LONG TERM (1961)		ANNUAL INVESTMENT REQUIRED (1961) PER YEAR	
	(1)	(2)	(3)	(4)
MAINT				
GENERAL MAINTENANCE ROAD ITEMS (1)	0.0	0.0		172.0
MAINTENANCE ROAD ITEMS (2)	0.0	0.0		99.0
MAINTENANCE ROAD ITEMS (3)	0.0	0.0		270.7
TOTAL	0.0	0.0		541.7
CONSTR				
GENERAL MAINTENANCE ROAD ITEMS (1)	0.0	0.0		400.0
MAINTENANCE ROAD ITEMS (2)	0.0	0.0		340.0
MAINTENANCE ROAD ITEMS (3)	0.0	0.0		300.0
TOTAL	0.0	0.0		1040.0
CONSTR				
GENERAL MAINTENANCE ROAD ITEMS (1)	0.0	0.0		101.0
MAINTENANCE ROAD ITEMS (2)	0.0	0.0		85.0
MAINTENANCE ROAD ITEMS (3)	0.0	0.0		310.0
TOTAL	0.0	0.0		506.0
CONSTR				
GENERAL MAINTENANCE ROAD ITEMS (1)	1802.0	1802.0		910.0
MAINTENANCE ROAD ITEMS (2)	1502.0	1502.0		1700.0
MAINTENANCE ROAD ITEMS (3)	1702.0	1702.0		1700.0
TOTAL	5006.0	5006.0		3310.0
CONSTR				
GENERAL MAINTENANCE ROAD ITEMS (1)	0.0	0.0		310.0
MAINTENANCE ROAD ITEMS (2)	0.0	0.0		100.0
MAINTENANCE ROAD ITEMS (3)	0.0	0.0		400.0
TOTAL	0.0	0.0		810.0
CONSTR				
GENERAL MAINTENANCE ROAD ITEMS (1)	0.0	0.0		170.0
MAINTENANCE ROAD ITEMS (2)	0.0	0.0		100.0
MAINTENANCE ROAD ITEMS (3)	0.0	0.0		100.0
TOTAL	0.0	0.0		370.0

Table 2.1-29. (Page 2 of 4)

GENERAL OBLIGATION BOND ITEMS (1)	3175.0	1050.5	7007.1
REVENUE BOND ITEMS (2)	233.2	791.1	4907.7
SCHOLARSHIP	10557.0	3030.5	10495.0
TOTAL	20165.2	5406.3	10495.0
WATER			
GENERAL OBLIGATION BOND ITEMS (1)	0.0	0.2	101.0
REVENUE BOND ITEMS (2)	0.0	0.2	205.3
SCHOLARSHIP	0.0	0.2	603.9
TOTAL	0.0	0.3	1079.0
SEWER			
GENERAL OBLIGATION BOND ITEMS (1)	0.0	0.2	204.7
REVENUE BOND ITEMS (2)	0.0	0.2	107.0
SCHOLARSHIP	0.0	0.2	100.4
TOTAL	0.0	0.3	501.3
LIBRARY			
GENERAL OBLIGATION BOND ITEMS (1)	36.2	16.2	930.4
REVENUE BOND ITEMS (2)	75.1	75.1	150.5
SCHOLARSHIP	52.9	52.9	320.2
TOTAL	204.2	204.2	1410.7
WATER			
GENERAL OBLIGATION BOND ITEMS (1)	1209.3	094.7	3005.1
REVENUE BOND ITEMS (2)	1353.0	076.9	2176.0
SCHOLARSHIP	1062.6	011.3	1700.0
TOTAL	4005.7	2002.6	9100.7
SEWER			
GENERAL OBLIGATION BOND ITEMS (1)	0.0	0.2	103.5
REVENUE BOND ITEMS (2)	0.0	0.2	90.2
SCHOLARSHIP	0.0	0.2	127.0
TOTAL	0.0	0.3	300.4
WATER			
GENERAL OBLIGATION BOND ITEMS (1)	0.0	0.0	207.3
REVENUE BOND ITEMS (2)	0.0	0.2	1170.5
SCHOLARSHIP	0.0	0.2	320.0
TOTAL	0.0	0.3	1617.4
WATER/SEWER			
GENERAL OBLIGATION BOND ITEMS (1)	1205.3	1002.5	13401.9
REVENUE BOND ITEMS (2)	2007.0	010.7	10001.7
SCHOLARSHIP	2112.3	1150.1	11770.0
TOTAL	5324.6	1174.3	47073.1
WATER			
GENERAL OBLIGATION BOND ITEMS (1)	0.0	0.1	002.0
REVENUE BOND ITEMS (2)	0.0	0.3	002.3
SCHOLARSHIP	0.0	0.3	071.0
TOTAL	0.0	0.3	1006.7

Table 2.1-29. (Page 3 of 4)

SALISIM			
GENERAL OBLIGATION BOND ITEMS (3)			135.9
REFUNDING BOND ITEMS (4)	0.0	0.0	92.7
SCHOLARSHIP	0.0	0.0	116.1
TOTAL	0.0	0.0	166.7
CHARTER			
GENERAL OBLIGATION BOND ITEMS (3)	0.0	0.0	4104.5
REFUNDING BOND ITEMS (4)	0.0	0.0	2165.1
SCHOLARSHIP	0.0	0.0	4377.1
TOTAL	0.0	0.0	12246.7
CUMUL			
GENERAL OBLIGATION BOND ITEMS (3)	6904.7	6144.5	18920.6
REFUNDING BOND ITEMS (4)	5194.2	2588.1	12139.8
SCHOLARSHIP	21911.0	9477.8	28114.0
TOTAL	16011.6	14720.4	51174.6
UP RATA			
GENERAL OBLIGATION BOND ITEMS (3)	0.0	0.0	120.4
REFUNDING BOND ITEMS (4)	0.0	0.0	93.1
SCHOLARSHIP	0.0	0.0	105.0
TOTAL	0.0	0.0	317.5
WASHING			
GENERAL OBLIGATION BOND ITEMS (3)	0.0	0.0	4061.5
REFUNDING BOND ITEMS (4)	0.0	0.0	2117.5
SCHOLARSHIP	0.0	0.0	4061.5
TOTAL	0.0	0.0	12240.5
WIRE			
GENERAL OBLIGATION BOND ITEMS (3)	0.0	0.0	3628.6
REFUNDING BOND ITEMS (4)	0.0	0.0	2087.2
SCHOLARSHIP	0.0	0.0	5124.7
TOTAL	0.0	0.0	11420.6
WINDFELL			
GENERAL OBLIGATION BOND ITEMS (3)	902.4	450.1	4402.1
REFUNDING BOND ITEMS (4)	155.3	252.1	2631.0
SCHOLARSHIP	712.1	346.3	4955.0
TOTAL	2015.7	1071.4	14228.1
WYTHAM			
GENERAL OBLIGATION BOND ITEMS (3)	0.0	0.0	180.8
REFUNDING BOND ITEMS (4)	0.0	0.0	116.6
SCHOLARSHIP	0.0	0.0	485.7
TOTAL	0.0	0.0	783.1
TOTAL			
GENERAL OBLIGATION BOND ITEMS (3)	16011.6	5434.5	52755.1
REFUNDING BOND ITEMS (4)	1651.1	1000.4	12667.4

Table 2.1-29. (Page 4 of 4)

SCHEMATIC	20487.3	7401.3	48178.6
TOTAL	34237.6	18714.1	147745.6
NEW MEXICO			
GENERAL OBLIGATION BOND ITEMS (1)	2042.5	6604.1	35645.0
REVENUE BOND ITEMS (2)	5932.5	2056.2	21760.2
SCHEMATIC	2463.1	6103.0	51222.2
TOTAL	10437.2	14763.3	108628.0
REGIONAL TOTAL			
GENERAL OBLIGATION BOND ITEMS (1)	17981.0	12078.7	81005.0
REVENUE BOND ITEMS (2)	14603.0	1000.0	54101.0
SCHEMATIC	42310.0	13727.2	126008.3
TOTAL	74894.0	31805.9	261172.0

----- SOURCE: THE STATE OF NEW MEXICO, DEPARTMENT OF REVENUE, 1985-1986 SPOTIFY

(1) INVESTMENT GRADE BONDS, THE STATE OF NEW MEXICO, DEPARTMENT OF REVENUE, 1985-1986 SPOTIFY.
 (2) MAXIMUM ANNUAL INVESTMENT REQUIRED.
 (3) GENERAL OBLIGATION BOND ITEMS INCLUDE POLICY, FINE, COMPENSATION, HEALTH SPOTIFY, LIBRARY, AND STAFFER EXPENDITURES.
 (4) REVENUE BOND ITEMS INCLUDE WATER AND WASTEWATER FACILITY EXPENDITURES.
 SOURCE: NEW MEXICO, 1985-1986

Table 2.1-30. (Page 1 of 4)

AGGREGATING AND SPILL REQUIREMENT (00/200) YEARS/NO. REQUIRED
 YEAR 1 BY 2015, 2016, 2017, 2018, 2019, 2020

AGGREGATING CAPITAL INVESTMENTS REQUIREMENTS
 (THOUSANDS OF 1000 \$)

Category	1000 YEARS (1000)	AGGREGATING INVESTMENT REQUIREMENT (1000)	1000 YEARS
AGGREGATING			
GENERAL INVESTIGATION AND SPILL (1)	0.0	0.0	100.0
SPILL INVESTIGATION (2)	0.0	0.0	100.0
SCHMIDT	0.0	0.0	100.0
TOTAL	0.0	0.0	100.0
AGGREGATING			
GENERAL INVESTIGATION AND SPILL (1)	0.0	0.0	100.0
SPILL INVESTIGATION (2)	0.0	0.0	100.0
SCHMIDT	0.0	0.0	100.0
TOTAL	0.0	0.0	100.0
AGGREGATING			
GENERAL INVESTIGATION AND SPILL (1)	0.0	0.0	100.0
SPILL INVESTIGATION (2)	0.0	0.0	100.0
SCHMIDT	0.0	0.0	100.0
TOTAL	0.0	0.0	100.0
AGGREGATING			
GENERAL INVESTIGATION AND SPILL (1)	0.0	0.0	100.0
SPILL INVESTIGATION (2)	0.0	0.0	100.0
SCHMIDT	0.0	0.0	100.0
TOTAL	0.0	0.0	100.0
AGGREGATING			
GENERAL INVESTIGATION AND SPILL (1)	0.0	0.0	100.0
SPILL INVESTIGATION (2)	0.0	0.0	100.0
SCHMIDT	0.0	0.0	100.0
TOTAL	0.0	0.0	100.0

Table 2.1-30. (Page 2 of 4)

GENERAL	GENERAL OBLIGATION BOND ITEMS (1)	0.0	0.0	2012.5
	REVENUE BOND ITEMS (4)	0.0	0.0	1145.5
	SCHMUS	0.0	0.0	3175.2
	TOTAL	0.0	0.0	6133.2
LOCAL	GENERAL OBLIGATION BOND ITEMS (1)	0.0	0.0	219.0
	REVENUE BOND ITEMS (4)	0.0	0.0	143.5
	SCHMUS	0.0	0.0	185.2
	TOTAL	0.0	0.0	547.7
STATE	GENERAL OBLIGATION BOND ITEMS (1)	0.0	0.0	199.0
	REVENUE BOND ITEMS (4)	0.0	0.0	119.5
	SCHMUS	0.0	0.0	356.4
	TOTAL	0.0	0.0	674.9
FEDERAL	GENERAL OBLIGATION BOND ITEMS (1)	2.0	2.2	4281.2
	REVENUE BOND ITEMS (4)	5.0	5.5	2559.4
	SCHMUS	0.0	0.0	3101.1
	TOTAL	7.0	7.7	9941.7
TOTAL	GENERAL OBLIGATION BOND ITEMS (1)	0.0	0.0	262.3
	REVENUE BOND ITEMS (4)	0.0	0.0	149.4
	SCHMUS	0.0	0.0	419.5
	TOTAL	0.0	0.0	831.2
UNION	GENERAL OBLIGATION BOND ITEMS (1)	0.0	0.0	49.4
	REVENUE BOND ITEMS (4)	0.0	0.0	41.9
	SCHMUS	0.0	0.0	92.5
	TOTAL	0.0	0.0	183.8
PARTS	GENERAL OBLIGATION BOND ITEMS (1)	0.0	0.0	52.3
	REVENUE BOND ITEMS (4)	0.0	0.0	38.2
	SCHMUS	0.0	0.0	38.2
	TOTAL	0.0	0.0	128.7
TOTALS/REMARKS	GENERAL OBLIGATION BOND ITEMS (1)	201.2	201.2	4081.0
	REVENUE BOND ITEMS (4)	155.0	155.0	2591.2
	SCHMUS	185.2	185.2	4381.1
	TOTAL	541.4	541.4	11053.3
TOTALS	GENERAL OBLIGATION BOND ITEMS (1)	0.0	0.0	3.0
	REVENUE BOND ITEMS (4)	0.0	0.0	3.0
	SCHMUS	0.0	0.0	3.0
	TOTAL	0.0	0.0	9.0

Table 2.1-30. (Page 3 of 4)

SALESMAN			
GENERAL OBLIGATION BOND ITEMS (1)	0.0	0.2	82.1
REVENUE BOND ITEMS (4)	0.0	0.2	46.1
SCHOOLS	0.0	0.2	41.7
TOTAL	0.0	0.2	169.9
CHARTER			
GENERAL OBLIGATION BOND ITEMS (1)	0.0	0.2	3500.1
REVENUE BOND ITEMS (4)	0.0	0.0	1994.2
SCHOOLS	0.0	0.2	5521.3
TOTAL	0.0	0.2	11015.6
CITY			
GENERAL OBLIGATION BOND ITEMS (1)	0.0	0.2	13180.4
REVENUE BOND ITEMS (4)	0.0	0.2	11005.5
SCHOOLS	0.0	0.2	25807.1
TOTAL	0.0	0.2	50013.2
DE BECA			
GENERAL OBLIGATION BOND ITEMS (1)	0.0	0.2	140.7
REVENUE BOND ITEMS (4)	0.0	0.2	84.5
SCHOOLS	0.0	0.2	110.1
TOTAL	0.0	0.2	335.3
HOUSING			
GENERAL OBLIGATION BOND ITEMS (1)	0.0	0.2	3507.1
REVENUE BOND ITEMS (4)	0.0	0.2	1000.0
SCHOOLS	0.0	0.2	5534.5
TOTAL	0.0	0.2	10041.6
UTAH			
GENERAL OBLIGATION BOND ITEMS (1)	0.0	0.2	3352.9
REVENUE BOND ITEMS (4)	0.0	0.2	1000.0
SCHOOLS	0.0	0.2	5287.6
TOTAL	0.0	0.2	19640.5
MISSISSIPPI			
GENERAL OBLIGATION BOND ITEMS (1)	0.0	0.2	4025.4
REVENUE BOND ITEMS (4)	0.0	0.2	2329.1
SCHOOLS	0.0	0.2	6056.0
TOTAL	0.0	0.2	12410.5
UTAH			
GENERAL OBLIGATION BOND ITEMS (1)	0.0	0.2	2.0
REVENUE BOND ITEMS (4)	0.0	0.2	2.0
SCHOOLS	0.0	0.2	2.0
TOTAL	0.0	0.2	6.0
TOTAL			
GENERAL OBLIGATION BOND ITEMS (1)	280.0	280.2	16781.7
REVENUE BOND ITEMS (1)	161.4	161.6	4668.7

Table 2.1-30. (Page 4 of 4)

SCHOLAR FUND	185.6 400.0	185.6 400.0	185.6 400.0	185.6 400.0
NET ASSETS				
GENERAL OBLIGATION BOND ITEMS (1)	7600.8	6422.7	6422.7	31665.9
GENERAL OBLIGATION BOND ITEMS (2)	5792.1	1066.7	1066.7	10180.8
SCHOLAR FUND	25119.9	6268.8	6268.8	69318.0
TOTAL	32619.7	12691.5	12691.5	69318.0

REGIONAL TOTAL

GENERAL OBLIGATION BOND ITEMS (1)	1810.7	6412.6	6412.6	68419.3
GENERAL OBLIGATION BOND ITEMS (2)	3528.5	2016.1	2016.1	29228.3
SCHOLAR FUND	34528.5	6358.2	6358.2	67415.7
TOTAL	38412.7	14786.9	14786.9	145064.3

(1) INVESTMENT REGULATIONS PERMIT THE AVERAGE ANNUAL LEVEL OF INVESTMENT TO EXCEED THE LONG-TERM SERVICE

REQUIREMENTS AT THE FIRST YEAR IN WHICH THIS LEVEL OF INVESTMENT SHOULD BE OBTAINED.

(2) MAXIMUM ANNUAL INVESTMENT PERCENTAGE.

(3) GENERAL OBLIGATION BOND ITEMS INCLUDE POLICE, FIRE, CORRECTION, HEALTH SERVICE, LIBRARY,

AND STREET EXPENDITURES.

(4) APPROXIMATE PERCENTAGE OF THE TOTAL INVESTMENT IN THE REGIONAL TOTAL.

SOURCE: NON-SERVICES, 10-7-73-80

Alternative 7. Peak year expenditures are expected to be \$145.1 million of the split deployment alternative, 55 percent of total peak year expenditures under Alternative 7.

The level of capital expenditures necessary to support growth due to M-X will be significant for all counties in the Texas/New Mexico deployment region. However, local jurisdictions do not have the ability to finance these levels of infrastructure demand. Due to the low tax base and/or property tax limitations in the local jurisdiction in the region, local jurisdictions would be unable to finance the bonds necessary to support either long term or peak year capital expenditure requirements. In addition, county areas having little or no long term effects will not have an incentive to build to the peak year requirements. Temporary degradation of service levels could result if mitigative strategies and/or outside aid are not available.

2.2 POTENTIAL IMPACTS ON POPULATION

As in Nevada/Utah, the general pattern of population change which would be induced by the project in Texas/New Mexico is likely to be rapid, large-scale growth during the construction "boom" period followed by rapid population losses, especially in areas affected only by DDA facilities, as construction is completed and operations begin. The efforts in Texas/New Mexico, however, would be spread over a larger number of counties and communities. The most important features of M-X-related population change to examine are the peak year, including the rapidity with which in-migrant population reaches its maximum level and the location and composition of the population present during the peak construction period, and the long-term population change, if any. The size, composition, and residential location of the permanent in-migrant population would be especially significant since these characteristics influence the extent of more-or-less permanent changes in the housing, land use, services, and general living environments of the affected communities.

TOTAL M-X-RELATED CHANGE AT THE REGIONAL SCALE

Table 2.2-1 shows the projected baseline population and net M-X-related population in-migration for the two alternatives which affect the 30-county Texas/-New Mexico region. Total population in a given year is the sum of the baseline and M-X-related in-migrant populations.

Full Deployment

For the full deployment Alternative 7, M-X-related in-migrant population present in the Texas/New Mexico region is projected to reach a maximum of 94,800 persons in 1987, a 13 percent increase above the baseline population projected for that year. Regional population growth during the five year M-X construction boom period would be increased to 3.4 annually, compared to about one percent annually without the project. The permanent M-X-related population change projected, about 37,000 persons, is less than two-fifths as great as in the peak year. The permanent in-migrant population generated by the project would represent less than a five percent increase over the baseline.

Split Deployment

Split deployment would reduce the number of in-migrants present in the peak year, about 53,400, by 44 percent compared to full deployment in the region. The number of permanent in-migrants, 19,700 persons, is lower by 63 percent than the peak year and increases the region's population by about 2.5 percent.

COMPOSITION OF THE M-X-RELATED IN-MIGRANT POPULATION

The composition of the project-related in-migrant population in terms of employment category for the full and split deployment alternatives in Texas/New Mexico is shown in Table 2.2-2. Households and population are categorized by the employment of the worker holding a direct job for households where more than one person is employed. The categories which appear in counties affected only by DDA facilities include cluster construction, assembly and checkout, and indirect, while the additional categories of base construction, military operations, and civilian operations would be present in the counties affected by bases. The categories present in an area are important because each has different socio-demographic characteristics. For example, the two construction categories, a large share of whom are workers present without families, have higher incomes, a slightly larger family household size, and younger age distribution than the general population (Mountain Nest Research, Inc., 1975), while the military population would contain a large share of single persons and would have a younger age structure and lower incomes (at least for enlisted personnel) than the general population. The indirect population generated by project-related expansion of local economic activity would likely approximate the characteristics of the state and regional populations. The two construction categories and assembly and checkout workers (all of whom are assumed to be present without families) represent populations that would be temporarily present during the construction phase, as would a major share of the indirect population.

Full Deployment

For Alternative 7, the population related to construction workers (36,788) would constitute about 39 percent of the in-migrants present in 1987, the peak year. Almost as many persons, about 32,500, associated with indirect employment would be temporarily in the region during the same year. About 48 percent of (45,700) the in-migrants present during the peak year would be civilian labor force participants and another 23 percent (22,200 persons) would be school age population. Over three quarters of the permanent in-migrants, about 28,200 persons, would be military personnel and their dependents. About 19 percent of the 37,000 permanent in-migrants would be civilian labor force participants and another 28 percent would be school age population.

Split Deployment

For the split deployment alternative the size of the population in the constituent employment categories is lower although the relative proportions remain about the same as for the full deployment alternative. In the long term, however, a larger share of the permanent in-migrants (80 percent) would be military personnel and their dependents. About 18 percent of the 19,700 in-migrants in the long term would be civilian labor force participants and another 28 percent would be school age population.

Table 2.2-1.

PROJECTED BASELINE POPULATION AND CUMULATIVE M-E RELATED IN-MIGRATION BY ALTERNATIVE, IN DEPLOYMENT REGION
ASSUMING TREND BASELINE

ALTERNATIVE / POPULATION	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
BASELINE POPULATION	604200	701520	700000	716410	722070	729320	736560	743800	750600	757800	765150	772500	780120
ALTERNATIVE 7													
M-E IN-MIGRATION	0	12291	26194	53659	81220	94796	93265	88608	41124	37166	37001	36932	36352
TOTAL POPULATION	604200	713817	726194	770699	804190	824516	828825	832688	834794	838960	842661	846353	850002
PERCENT DIFFERENCE FROM BASELINE	0.6	1.8	3.7	7.5	11.2	13.0	12.5	9.2	5.3	4.0	3.8	3.8	4.3
ALTERNATIVE 84													
M-E IN-MIGRATION	0	9182	17498	29881	48310	53361	48438	34885	20511	19151	17115	17100	17694
TOTAL POPULATION	604123	710702	723698	746591	771880	781041	785995	789174	791885	794996	798111	801226	804340
PERCENT DIFFERENCE FROM BASELINE	0.6	1.5	2.5	4.2	6.7	7.3	5.3	4.7	3.3	2.6	2.4	2.5	2.5

SOURCE: IHR SCIENCES, 23-OCT-80

Table 2.2-2.

PROJECTED CUMULATIVE POPULATION IN-MIGRATION BY PROJECT RELATED EMPLOYMENT CATEGORY, & BY ALTERNATIVE, IN DEPLOYMENT REGION
ASSUMING TREND BASELINE

ALTERNATIVE / CATEGORY	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
ALTERNATIVE 7													
BASE CONSTRUCTION	2452	4262	5297	4926	3756	4887	3450	1747	0	0	0	0	0
CLUSTER CONSTRUCTION	0	2210	5531	10033	27410	31501	27376	8284	0	0	0	0	0
ASSEMBLY & CHECKOUT	0	400	1050	3530	6000	6000	5900	5750	100	0	0	0	0
MILITARY OPERATIONS	0	0	2640	5343	11064	16223	22380	28163	28163	28163	28163	28163	28163
CIVILIAN OPERATIONS	0	0	307	796	1731	2795	3905	5048	5047	5047	5047	5047	5047
INDIRECT	1535	5423	11439	21001	29249	32493	29214	19634	7814	4156	3790	3761	3742
TOTAL	3987	12297	26194	53659	81220	94796	92265	88608	41124	37166	37001	36932	36352
ALTERNATIVE 84													
BASE CONSTRUCTION	0	398	4140	4467	4501	2764	0	0	0	0	0	0	0
CLUSTER CONSTRUCTION	0	0	39	4253	13791	18769	15750	5767	0	0	0	0	0
ASSEMBLY & CHECKOUT	0	250	700	1750	3000	3650	4300	4150	100	0	0	0	0
MILITARY OPERATIONS	0	0	0	2640	5153	7921	10309	12950	12950	12950	12950	12950	12950
CIVILIAN OPERATIONS	0	0	0	306	726	1206	1846	2266	2265	2266	2266	2267	2267
INDIRECT	677	1887	4224	7892	13917	15836	16534	17028	5175	1102	1047	1032	1025
TOTAL	637	2776	9104	22710	43091	50052	49359	37938	20470	16310	16261	16249	16242

* EMPLOYMENT CATEGORY 19 FOR PRIMARY WORKER IN DEPLOYMENT REGION SOURCE: IHR SCIENCES, 1 NOV 80

REGIONAL-SCALE EFFECTS BY PLACE AND RESIDENCE

The projected in-migrant population at the county level has been disaggregated to three spatial categories of residence, where applicable: the bases, temporary construction camps, and local communities. These projections are presented in Table 2.2-3. Changes in the size of the community portion of the in-migrant population are especially important because they generate changes in demands for housing, urban land, and community services and facilities. Effects on communities would be less than suggested by aggregate population changes since substantial shares of the transient construction population would be accommodated in temporary camps and a majority of the permanent in-migrants would be housed on the operating bases.

Full Deployment

For Alternative 7, about 72 percent of the in-migrants present in the peak year, about 68,400 persons, are projected to reside in local communities, with about 10 percent in construction camps and about 17 percent on the bases. The number of persons which must be absorbed by communities in the long term would be considerably lower, about 15,900 persons or 43 percent of the total, due to out-migration of construction-related population.

Split Deployment

The number of in-migrants projected to be present in communities in the peak year, about 37,300 persons, would be about one-half as many as with full deployment. In the long term, the number present in communities would be reduced to about 7,000, due to out-migration of construction-related population, while another 12,700 would be housed on base.

GEOGRAPHICAL DISTRIBUTION OF POPULATION EFFECTS

During the peak year of the construction "boom", substantial effects on population would be experienced by many of the counties within the DDA, while all long-term effects are attributable to the bases alone. Permanent population change related to the project, therefore, would be limited to counties where operating bases are proposed, with some spillover to nearby counties which have communities within commuting distance of the base.

Full Deployment

The distribution of M-X-related in-migrant population by county is shown in Table 2.2-4 for Alternative 7. During the peak year of the construction "boom" period about 51,500 persons, or 54 percent of all project-related in-migrants, would be located in the counties affected primarily by operating bases, including Hartley, Dallam, and Moore in Texas, and Curry County, Texas. About 60 percent of the project-induced population in the peak year would be present in the Texas portion of the region, with 40 percent in New Mexico. Long term effects associated with the bases occur in Curry and Roosevelt counties in New Mexico, and Hartley, Dallam and Moore counties and the metropolitan Amarillo area in Texas.

Table 2.2-3.

PROJECTED CUMULATIVE POPULATION IN-MIGRATION BY PLACE OF RESIDENCE, BY ALTERNATIVE, IN DEPLOYMENT REGION
ASSUMING TREND BASELINE

ALTERNATIVE / PLACE OF RESIDENCE	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
ALTERNATIVE 7													
CONSTRUCTION CAMPS	0	307	1323	3669	8952	9891	8914	4866	50	0	0	0	0
OPERATIONS BASE	500	1232	4094	7107	12546	16328	20341	24092	21117	21067	21067	21067	21067
LOCAL COMMUNITIES	3479	10337	20776	40883	59720	68378	63008	39650	19937	16299	15934	15905	15086
TOTAL	3987	12297	26194	53659	81220	94796	92263	68608	41124	37366	37001	36772	36752
ALTERNATIVE 80													
CONSTRUCTION CAMPS	0	0	28	1335	4176	5443	5407	3369	50	0	0	0	0
OPERATIONS BASE	0	322	1357	4394	7206	9018	10348	12360	10410	10360	10360	10360	10360
LOCAL COMMUNITIES	637	2203	7518	16380	31708	35586	32725	22229	10030	5950	5903	5009	5082
TOTAL	637	2525	9104	22310	43091	50052	48359	37958	20490	16318	16263	16249	16242

SOURCE: HWI SCIENCED, 1-NOV-80

Table 2.2-4. (Page 1 of 4)

IMMIGRATION IMPACTS

ALTERNATIVE 7: FULL EMPLOYMENT - TEXAS/NEW MEXICO (1)
BASE 1: AT DOWNS, NEW MEXICO (1)
BASE 2: AT DOWNS, TX (DOWNS / CO)

CITY	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
BALBY														
BASELINE	8330	8330	8370	8400	8410	8430	8450	8470	8490	8500	8500	8500	8500	8500
WITH M-X	8330	8330	8370	8400	8410	8430	8450	8470	8490	8500	8500	8500	8500	8500
DIFFERENCE	0	0	22	274	1084	11409	10169	8482	8493	0	0	0	0	0
PERCENT INCREASE	0	0	0.3	3.3	12.5	13.6	12.0	10.0	10.0	0.0	0.0	0.0	0.0	0.0
OVER BASELINE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CANTON														
BASELINE	10370	10610	10650	10700	10770	10830	10930	11010	11070	11190	11290	11370	11470	11470
WITH M-X	10370	10610	10650	10700	10770	10830	10930	11010	11070	11190	11290	11370	11470	11470
DIFFERENCE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PERCENT INCREASE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OVER BASELINE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CRIBIAN														
BASELINE	3200	3200	3200	3200	3200	3200	3200	3200	3200	3200	3200	3200	3200	3200
WITH M-X	3200	3200	3200	3200	3200	3200	3200	3200	3200	3200	3200	3200	3200	3200
DIFFERENCE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PERCENT INCREASE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OVER BASELINE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DALLAM														
BASELINE	6850	6930	7010	7100	7170	7230	7330	7410	7500	7610	7730	7850	7970	7970
WITH M-X	6850	6930	7010	7100	7170	7230	7330	7410	7500	7610	7730	7850	7970	7970
DIFFERENCE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PERCENT INCREASE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OVER BASELINE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EL PASO														
BASELINE	19970	20110	20250	20400	20610	20830	21050	21270	21500	21750	22010	22270	22530	22530
WITH M-X	19970	20110	20250	20400	20610	20830	21050	21270	21500	21750	22010	22270	22530	22530
DIFFERENCE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PERCENT INCREASE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OVER BASELINE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EL PASO														
BASELINE	38080	38180	38280	38380	38480	38580	38680	38780	38880	38980	39080	39180	39280	39280
WITH M-X	38080	38180	38280	38380	38480	38580	38680	38780	38880	38980	39080	39180	39280	39280
DIFFERENCE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PERCENT INCREASE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OVER BASELINE	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 2.2-4. (Page 2 of 4)

SMALLEY	BASLINE	3650	3730	3810	3870	3970	4050	4140	4210	4290	4370	4490	4580	4610
	WITH M-1	3650	3713	4145	7017	11857	17621	18677	18677	15872	15679	15649	15729	15009
	DIFFERENCE													
	PERCENT INCREASE													
	OVER BASELINE	0.0	0.1	11.4	10.4	247.7	341.0	347.7	334.0	363.3	356.1	351.7	347.7	341.2
SERAFY	BASLINE	21730	21850	21970	22090	22190	22290	22390	22490	22600	22720	22870	23010	23150
	WITH M-1	21730	21850	21974	22270	22494	22773	22981	22981	22600	22720	22870	23010	23150
	DIFFERENCE													
	PERCENT INCREASE													
	OVER BASELINE	0.0	0.0	0.0	0.0	1.4	2.2	1.7	0.7	0.0	0.0	0.0	0.0	0.0
LAWB	BASLINE	17400	17400	17400	17400	17370	17350	17330	17310	17290	17300	17300	17300	17300
	WITH M-1	17400	17400	17400	17419	17504	17564	17642	17710	17790	17800	17800	17800	17800
	DIFFERENCE													
	PERCENT INCREASE													
	OVER BASELINE	0.0	0.0	0.0	0.1	0.8	1.2	0.8	0.0	0.0	0.0	0.0	0.0	0.0
LIMBROCK	BASLINE	230240	232360	234570	236790	239110	241330	243550	245770	248000	250220	252440	254660	256880
	WITH M-1	230240	232360	234570	236790	239110	241330	243550	245770	248000	250220	252440	254660	256880
	DIFFERENCE													
	PERCENT INCREASE													
	OVER BASELINE	0.0	0.0	0.4	1.3	2.1	2.3	1.8	1.0	0.2	0.0	0.0	0.0	0.0
MURPHY	BASLINE	14610	14670	14730	14800	14870	14950	15030	15110	15190	15270	15350	15470	15590
	WITH M-1	14610	14670	14730	14829	14929	15031	15133	15235	15337	15439	15541	15643	15745
	DIFFERENCE													
	PERCENT INCREASE													
	OVER BASELINE	0.0	0.0	0.0	0.9	0.9	1.7	2.1	1.7	1.4	1.0	1.0	1.0	1.0
MURPHY	BASLINE	2730	2750	2770	2790	2830	2870	2910	2950	3000	3050	3110	3170	3230
	WITH M-1	2730	2750	2770	2800	2830	2870	2910	2950	3000	3050	3110	3170	3230
	DIFFERENCE													
	PERCENT INCREASE													
	OVER BASELINE	0.0	0.0	0.1	0.4	0.0	2.4	4.9	3.9	0.8	0.0	0.0	0.0	0.0
PARKER	BASLINE	10300	10300	10300	10300	10310	10330	10350	10370	10400	10470	10550	10630	10710
	WITH M-1	10300	10300	10309	10308	10310	10330	10350	10370	10400	10470	10550	10630	10710
	DIFFERENCE													
	PERCENT INCREASE													
	OVER BASELINE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
PORTER/RANDALL	BASLINE	164340	168590	170460	172780	174780	176800	178840	180940	183100	185280	187500	189760	192040
	WITH M-1	164340	168590	170460	172780	174780	176800	178840	180940	183100	185280	187500	189760	192040
	DIFFERENCE													
	PERCENT INCREASE													
	OVER BASELINE	0.0	0.1	0.4	1.7	3.3	6.7	8.2	5.4	2.1	1.5	1.5	1.5	1.4

Table 2.2-4. (Page 3 of 4)

SIRHAN	BASLINE	3830	3050	3870	3090	3910	3930	3950	3970	4000	4030	4070	4110	4130
	WITH M-I	3830	3850	3870	3700	3937	4226	4632	4642	4134	4032	4070	4110	4130
	DIFFERENCE	0	0	0	10	47	296	702	622	134	2	0	0	0
	PERCENT INCREASE OVER BASELINE	0.0	0.0	0.0	0.3	1.2	7.5	17.0	16.9	3.0	0.0	0.0	0.0	0.0
MUSHER	BASLINE	10370	10610	10650	10700	10770	10850	10730	11010	11090	11210	11330	11450	11370
	WITH M-I	10370	10610	10650	10723	10862	10983	11026	11046	11090	11210	11370	11450	11370
	DIFFERENCE	0	0	0	25	92	133	96	36	0	0	0	0	0
	PERCENT INCREASE OVER BASELINE	0.0	0.0	0.0	0.2	0.9	1.2	0.9	0.3	0.0	0.0	0.0	0.0	0.0
CHAVES	BASLINE	53470	54330	55210	56100	56090	57700	58320	59350	60190	60940	61690	62450	63220
	WITH M-I	53470	54330	55227	57270	57904	59148	58808	59350	60190	60940	61690	62450	63220
	DIFFERENCE	0	0	17	3190	5790	1448	288	0	0	0	0	0	0
	PERCENT INCREASE OVER BASELINE	0.0	0.0	0.0	5.7	10.2	2.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0
LIMBY	BASLINE	43870	44010	44150	44290	44310	44330	44350	44370	44400	44310	44230	44150	44070
	WITH M-I	47623	53270	61094	68506	70904	69399	69703	68101	63383	63243	63164	63084	63004
	DIFFERENCE	3753	9260	16944	24216	26594	25069	23355	23731	18983	18933	18734	18714	18714
	PERCENT INCREASE OVER BASELINE	8.6	21.0	38.4	54.7	60.0	56.6	57.6	53.5	42.8	42.7	42.8	42.9	43.0
DE BACA	BASLINE	2600	2600	2600	2600	2570	2550	2530	2510	2500	2500	2500	2500	2500
	WITH M-I	2600	2633	2682	2721	2635	2593	2581	2536	2504	2500	2500	2500	2500
	DIFFERENCE	0	33	82	121	65	43	51	26	4	0	0	0	0
	PERCENT INCREASE OVER BASELINE	0.0	1.3	3.2	4.7	2.5	1.8	2.0	1.0	0.2	0.0	0.0	0.0	0.0
HAWDING	BASLINE	1030	1030	1010	1000	970	950	930	910	890	850	810	770	730
	WITH M-I	1030	1030	1011	1481	4720	4641	2386	1043	892	850	810	770	730
	DIFFERENCE	0	0	1	481	3750	5711	1636	131	2	0	0	0	0
	PERCENT INCREASE OVER BASELINE	0.0	0.0	0.1	48.1	386.6	601.2	178.1	14.4	0.2	0.0	0.0	0.0	0.0
HAWY	BASLINE	11230	11250	11270	11270	11270	11250	11230	11210	11200	11150	11110	11070	11030
	WITH M-I	11230	13510	16165	14835	12274	11670	11469	11218	11200	11150	11110	11070	11030
	DIFFERENCE	0	2280	4895	3565	1006	440	279	8	0	0	0	0	0
	PERCENT INCREASE OVER BASELINE	0.0	20.1	43.4	31.7	8.9	3.9	2.1	0.1	0.0	0.0	0.0	0.0	0.0
MURKUSLY	BASLINE	16810	16670	16730	16800	16870	16950	17030	17110	17200	17270	17350	17430	17510
	WITH M-I	16842	17285	18265	21319	21942	22375	23175	20052	18224	18111	18176	18256	18336
	DIFFERENCE	332	615	1535	4519	5072	5425	6145	2042	1024	841	826	826	826
	PERCENT INCREASE OVER BASELINE	1.4	3.7	9.2	26.9	30.1	32.0	36.1	17.2	6.0	4.9	4.8	4.7	4.7

Split Deployment

The split deployment alternative concentrates a greater share of the peak and long-term population effects within New Mexico. In the peak year about 44 percent of the project-related in-migrant population would be in Curry County, while all long-term effects are limited to Curry and adjacent Roosevelt counties in New Mexico. Table 2.2-5 presents population impact estimates by county for the split deployment alternative.

Table 2.2-5. (Page 1 of 4)

POPULATION IMPACTS

ALTERNATIVE 2 FUEL IMPLEMENTATION - TEXAS/NEW MEXICO

BASE I AT CUDWIS, NM (CUDWIS CITY)

BASE II AT DALHART, TX (DALHART CITY)

CITY	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994
DALLAS													
BASELINE	8330	8330	8370	8400	8410	8430	8450	8470	8490	8500	8500	8500	8500
WITH M 2	8330	8330	8370	8400	8410	8430	8450	8470	8490	8500	8500	8500	8500
DIFFERENCE	0	0	0	0	0	0	0	0	0	0	0	0	0
PERCENT INCREASE	0	0	0	0	0	0	0	0	0	0	0	0	0
OVER BASELINE	0	0	0	0	0	0	0	0	0	0	0	0	0
CASPER													
BASELINE	10370	10610	10650	10700	10770	10830	10910	11010	11090	11190	11290	11370	11470
WITH M 2	10370	10610	10650	10700	10770	10830	10910	11010	11090	11190	11290	11370	11470
DIFFERENCE	0	0	0	0	0	0	0	0	0	0	0	0	0
PERCENT INCREASE	0	0	0	0	0	0	0	0	0	0	0	0	0
OVER BASELINE	0	0	0	0	0	0	0	0	0	0	0	0	0
EL PASO													
BASELINE	3200	3200	3200	3200	3200	3200	3200	3200	3200	3200	3200	3200	3200
WITH M 2	3200	3200	3200	3200	3200	3200	3200	3200	3200	3200	3200	3200	3200
DIFFERENCE	0	0	0	0	0	0	0	0	0	0	0	0	0
PERCENT INCREASE	0	0	0	0	0	0	0	0	0	0	0	0	0
OVER BASELINE	0	0	0	0	0	0	0	0	0	0	0	0	0
HOUSTON													
BASELINE	6850	6850	7010	7100	7170	7250	7330	7410	7500	7610	7730	7860	7970
WITH M 2	6850	6850	7010	7100	7170	7250	7330	7410	7500	7610	7730	7860	7970
DIFFERENCE	0	0	0	0	0	0	0	0	0	0	0	0	0
PERCENT INCREASE	0	0	0	0	0	0	0	0	0	0	0	0	0
OVER BASELINE	0	0	0	0	0	0	0	0	0	0	0	0	0
LOS ANGELES													
BASELINE	19970	20110	20270	20400	20610	20830	21050	21270	21500	21730	21960	22190	22420
WITH M 2	19970	20110	20270	20400	20610	20830	21050	21270	21500	21730	21960	22190	22420
DIFFERENCE	0	0	0	0	0	0	0	0	0	0	0	0	0
PERCENT INCREASE	0	0	0	0	0	0	0	0	0	0	0	0	0
OVER BASELINE	0	0	0	0	0	0	0	0	0	0	0	0	0
MILWAUKEE													
BASELINE	38080	38480	38880	39280	39680	40080	40480	40880	41280	41680	42080	42480	42880
WITH M 2	38080	38480	38880	39280	39680	40080	40480	40880	41280	41680	42080	42480	42880
DIFFERENCE	0	0	0	0	0	0	0	0	0	0	0	0	0
PERCENT INCREASE	0	0	0	0	0	0	0	0	0	0	0	0	0
OVER BASELINE	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 2.2-5. (Page 2 of 4)

HAWLEY													
BASLINE	3650	3730	3810	3920	3970	4070	4140	4210	4300	4370	4450	4540	4610
WITH M E	3650	3713	4145	3917	1892	1706	1047	1870	1562	1567	1549	1529	1502
DIFFERENCE	0	0	1	415	3127	2264	1493	1460	1802	1803	1891	1811	1112
PERCENT INCREASE	0.0	0.1	11.4	10.4	24.2	16.1	34.7	33.6	42.3	42.6	43.5	43.1	24.2
OVER BASELINE													
HEPNER													
BASLINE	21730	21850	21970	22090	22190	22290	22390	22490	22600	22730	22870	23010	23150
WITH M E	21730	21850	21974	22220	22494	22773	22981	23252	23600	23730	23870	24010	24150
DIFFERENCE	0	0	0	130	304	483	291	762	0	0	0	0	0
PERCENT INCREASE	0.0	0.0	0.0	0.6	1.4	2.2	1.3	3.4	0.0	0.0	0.0	0.0	0.0
OVER BASELINE													
LANE													
BASLINE	17400	17400	17400	17400	17370	17350	17330	17310	17290	17300	17300	17300	17300
WITH M E	17400	17400	17400	17419	17399	17364	17362	17310	17270	17300	17300	17300	17300
DIFFERENCE	0	0	0	19	134	214	130	0	0	0	0	0	0
PERCENT INCREASE	0.0	0.0	0.0	0.1	0.8	1.2	0.8	0.0	0.0	0.0	0.0	0.0	0.0
OVER BASELINE													
LIMBUCK													
BASLINE	220240	223380	226510	229770	232410	235040	237740	240450	243190	245950	248740	251560	254410
WITH M E	220240	223380	227415	232741	237327	242032	246911	251911	257053	262051	267022	271961	276869
DIFFERENCE	0	0	845	2751	4917	5312	4171	2316	5115	101	85	51	51
PERCENT INCREASE	0.0	0.0	0.4	1.3	2.1	2.3	1.8	1.0	2.2	0.0	0.0	0.0	0.0
OVER BASELINE													
PERROW													
BASLINE	14610	14670	14730	14800	14870	14950	15030	15110	15190	15270	15350	15430	15510
WITH M E	14610	14670	14730	14739	14790	14831	14877	14927	14974	15024	15071	15119	15167
DIFFERENCE	0	0	0	139	120	241	327	407	484	554	621	689	757
PERCENT INCREASE	0.0	0.0	0.0	0.9	0.8	1.6	2.2	2.7	3.2	3.6	4.1	4.5	4.9
OVER BASELINE													
REIDMAN													
BASLINE	2730	2750	2770	2790	2810	2830	2850	2870	2890	2910	2930	2950	2970
WITH M E	2730	2750	2772	2800	2832	2868	2903	2938	2974	3011	3048	3085	3120
DIFFERENCE	0	0	2	10	22	38	53	68	84	101	117	135	150
PERCENT INCREASE	0.0	0.0	0.1	0.4	0.8	1.4	1.9	2.4	2.9	3.5	4.1	4.6	5.1
OVER BASELINE													
ROPER													
BASLINE	10300	10300	10300	10300	10310	10310	10310	10370	10400	10470	10550	10630	10710
WITH M E	10300	10300	10309	10309	10310	10310	10310	10370	10400	10470	10550	10630	10710
DIFFERENCE	0	0	9	9	10	10	10	0	0	0	0	0	0
PERCENT INCREASE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OVER BASELINE													
ROPER/DAWALL													
BASLINE	166540	168590	170640	172780	174780	176800	178860	180960	183100	185280	187500	189760	192060
WITH M E	166540	168704	171342	176074	184445	192165	199334	206048	212315	218148	223557	228549	233127
DIFFERENCE	0	126	722	3294	9665	15365	14674	9688	3848	2707	2763	2797	2797
PERCENT INCREASE	0.0	0.1	0.4	1.9	5.5	8.7	8.2	5.4	2.1	1.5	1.5	1.5	1.5
OVER BASELINE													

Table 2.2-5. (Page 4 of 4)

<p> REGION DA-1 LINE WITH M'S DIFFERENCE PERCENT INCREASE OVER BASELINE </p>													
4850	4850	4810	4810	4810	4810	4810	4810	4810	4810	4810	4810	4810	4810
4850	4850	4810	4810	4810	4810	4810	4810	4810	4810	4810	4810	4810	4810
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<p> TEXAS 17 COUNTY TOTAL BASELINE WITH M'S DIFFERENCE PERCENT INCREASE OVER BASELINE </p>													
560600	566000	573100	575300	582300	591100	597120	603160	609320	615800	622360	629120	636160	643200
560600	566000	573100	575300	582300	591100	597120	603160	609320	615800	622360	629120	636160	643200
0	129	2720	15307	36867	56521	59162	41697	21111	17322	17281	17313	17313	17313
0.0	0.0	0.5	2.7	6.4	9.6	9.7	6.9	3.5	2.9	2.8	2.8	2.8	2.8
<p> N M 7 COUNTY TOTAL BASELINE WITH M'S DIFFERENCE PERCENT INCREASE OVER BASELINE </p>													
131680	134720	135700	136000	137690	138570	139480	140100	141200	141720	142500	143200	143960	144720
131680	134720	135700	136000	137690	138570	139480	140100	141200	141720	142500	143200	143960	144720
3907	12160	21474	30072	42711	48775	53100	56911	59013	59774	59774	59774	59774	59774
3.0	9.0	17.3	22.0	30.7	35.2	39.5	40.2	42.2	42.2	42.2	42.2	42.2	42.2
<p> DEPLOYMENT REGION TOTAL BASELINE WITH M'S DIFFERENCE PERCENT INCREASE OVER BASELINE </p>													
694280	701520	708800	716410	722970	729720	736560	743490	750600	757000	763150	769150	775150	781200
694280	701520	708800	716410	722970	729720	736560	743490	750600	757000	763150	769150	775150	781200
3987	12297	26194	37659	51220	54794	59265	68608	41124	37166	37001	36372	36372	36372
0.6	1.8	3.7	7.5	11.2	13.0	12.5	9.2	5.5	4.9	4.8	4.8	4.8	4.7

SOURCE: JMR SCIENCES, 1 NOV 80

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